

**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
BOLSA CHICA MESA PROPERTY  
HUNTINGTON BEACH, CALIFORNIA**

**JUNE 1996**

**PREPARED FOR:**

**KOLL REAL ESTATE GROUP, INC.  
ONE PACIFIC PLAZA  
7711 CENTER AVENUE, SUITE 215  
HUNTINGTON BEACH, CALIFORNIA 92647**

**PREPARED BY:**

**EARTH TECH, INC.  
2121 ALTON PARKWAY, SUITE 100  
IRVINE, CALIFORNIA 92714  
PROJECT NO. 96-5020.02**



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**1.0 EXECUTIVE SUMMARY**

This report summarizes the findings of EARTH TECH's Phase I Environmental Site Assessment (ESA) of the Bolsa Chica Mesa property located at the northeast corner of Pacific Coast Highway and Warner Avenue, Huntington Beach, California (subject property or site, Figure 1, Appendix A). EARTH TECH, Inc. (EARTH TECH) was retained by the Koll Real Estate Group, Inc. (Koll) to conduct this investigation of the site.

The subject property is undeveloped land and is generally covered with open grassy fields with limited woodland areas. No off-site concerns of significance were noted in the environmental database search.

The following on-site issues of potential environmental concern were observed at the subject property:

- A fuel dispenser/pump type equipment at the southwest corner of the property;
- An aboveground cylindrical steel storage tank at the northeast corner of the property;
- An inactive soil treatment equipment in a chain-link enclosure at the north central area;
- An aboveground concrete three stage clarifier type structure at the north central area of the property; and
- Several miscellaneous potential concerns identified in Section 5 of the report.

Soil sampling and laboratory analyses to assess the possible presence of contaminants is recommended in these areas.

## **2.0 INTRODUCTION**

### **2.1 PURPOSE AND METHODOLOGY**

This Phase I ESA was conducted to identify known and potential environmental concerns caused by past or present on-site and off-site activities. The scope of work for this assessment consisted of the following tasks:

- A review of readily available environmental databases, including listings of known or suspected contaminated sites, known landfill locations, known leaking underground storage tank (UST) locations, and operations regulated under Federal or State hazardous waste regulations;
- An on-site inspection by an EARTH TECH environmental professional;
- A review of historical aerial photographs;
- Contact with local government agencies as indicated in this report; and
- Preparation of a written environmental assessment report.

Potential issues that were evaluated with respect to the site included, but were not limited to, the following:

- Storage, use and disposal of chemical, hazardous materials, or hazardous waste at the site;
- Previous on-site activities;
- Contamination resulting from off-site sources and nearby properties;
- Historical or current circumstances that suggest that the site could be a source of contamination;
- Major environmental compliance issues related to current operations at the property; and
- Other significant environmental issues.

No formal chain-of-title search was completed as part of this investigation, pursuant to the specified project scope.

## **2.2 SPECIAL TERMS AND CONDITIONS**

This assessment was conducted in general accordance with the American Society for Testing and Materials (ASTM) Practice E 1527 (the "ASTM Standard"). Accordingly, no evaluation of the following issues was completed as part of this work: asbestos, radon, lead in drinking water, or lead-based paint.

### **3.0 SITE DESCRIPTION**

#### **3.1 PROPERTY LOCATION**

The subject property is in an unincorporated area located generally north of Pacific Coast Highway and south of Warner Avenue adjacent to the City of Huntington Beach, California, and is identified as Bolsa Chica Mesa Bluff Property (Figure 1). The property is accessed from Bolsa Chica Avenue and Los Patos Avenue. The subject property is located on the 7.5 Minute United States Geological Survey map, Seal Beach Quadrangle.

#### **3.2 SITE AND VICINITY CHARACTERISTICS**

The subject site is a triangular shaped parcel of land consisting of approximately 200 acres. Approximately 15 acres of land at the northwest central portion of the property is owned by Ocean View School District and is not a part of the subject property (Figure 2). The property is currently undeveloped and generally covered with open grassy fields with limited woodland areas (Appendix B, Photograph 1). The subject site locates within the Huntington Beach Oil Field, and has been involved with petroleum production during various periods since the 1920's. Topographically, the site consists of moderate to steep-sided slopes and drainage. The site is bounded to the north by Warner Avenue and Los Patos Avenue, a residential area inland of the Lowland, Huntington Mesa and Lowland Area to the south, and Pacific Coast Highway to the southwest. The surrounding area is primarily residential, with the exception of additional oil fields to the southeast and the Pacific Ocean to the southwest. The wells in this additional oil field are being decommissioned.

#### **3.3 PHYSICAL SETTING SOURCES**

EARTH TECH reviewed internal documents and previous reports prepared by Schaefer Dixon and Associates (SDA, 1991) for the subject property to ascertain the regional geology and hydrogeology of the vicinity of the property (Figure 1 provides a map of the regional topography). The following geologic and hydrogeologic information are obtained from the SDA report. The subject site consists of the lower mesa on the western side of the property which slopes gently toward the ocean at 10 to 25 feet above mean sea level, and at the upper mesa, which is a generally flat plain at an elevation of 50 to 60 feet. Topographically, the site consists of moderate to steep sided slopes and drainage.

### **Geologic Setting**

The site is located on the Orange County Coastal Plain, in the Newport-Inglewood Structural Zone. The Coastal Plain covers approximately 775 square miles, and contains a thick sequence of Quaternary and Tertiary sediments deposited upon a basement of metamorphic and crystalline rocks of pre-Tertiary age. The dominant landforms are a central plain with sediment tongues extending to the coast, bordering highlands and foothills, and a succession of low hills and mesas aligned northwestward along the coastal edge of the plain. These low hills and mesas are the surface expression of geologic structure in the Newport-Inglewood Structural Zone (Poland and Piper, 1956). Faulting and structural deformation have occurred along this zone since the late Miocene; however the greatest activity has occurred since the late Pleistocene (Poland and Piper, 1956). The Newport-Inglewood fault passes directly through the site from southeast to northwest.

Local geomorphic features include the elevated Bolsa Chica and Huntington Mesas, and the intervening Bolsa Gap. Surficial and near surface sediments are relatively young, ranging from recent-age alluvium and coastal deposits through the Upper Pleistocene age terrace deposits of the mesas to the underlying lower Pleistocene-age San Pedro Formation. Sediments present are generally sands, silts and clays typical of tidal marsh/coastal marine depositional environments.

### **Hydrogeology**

The subject site is located on the seaward edge of the Orange County Groundwater Basin Pressure Area. This basin extends north to the Puente and Chino Hills, east to the Santa Ana Mountains, south to the San Joaquin Hills and the Pacific Ocean, and merges with the Los Angeles Coastal Groundwater Basin to the west. Locally, the groundwater table is located at approximately 30 feet below ground surface.

## **3.4 CURRENT USES OF THE SITE**

The site is currently undeveloped and vacant, with the exception of several minor appurtenances discussed later. There are no buildings on the subject site.

## **3.5 PAST USES OF THE SITE**

### **3.5.1 Historical Aerial Photographs**

The history of the property was obtained through a review of eleven historical aerial photographs at P/T and Associates of Huntington Beach, California and twelve historical aerial photographs at Continental Aerial Photo, Inc. of Los Alamitos, California. These

photographs represent photo flights conducted in 1927, 1928, 1934, 1938, 1939, 1947, 1952, 1957, 1958, 1960, 1963, 1964, 1967, 1970, 1973, 1975, 1976, 1978, 1981, 1983, 1987, 1992, and 1993. The historical aerial photographs for the year 1952, 1967, and 1993 are presented in Appendix C. A summary of findings from reviewing the aerial photographs is presented below:

- The 1927 photograph indicates that the subject property is vacant, undeveloped and covered generally by open grassy fields and scattered orchards/eucalyptus trees. The growth of orchards/eucalyptus appeared to be denser on the southwestern corner of the property. No man-made structures were observed on the site. The adjacent properties to the north, east, south, and west were vacant and undeveloped. An unpaved road was observed traversing the site from Pacific Coast Highway to the southwest corner of the subject property.
- The 1928 photograph indicates that the site remained vacant and undeveloped.
- The 1934 photograph indicates that a L-shaped building structure (Bolsa Chica Gun Club) is present at the southwestern corner of the subject property, while remainder of the property remained unchanged. Access road to the gun club from Pacific Coast Highway is present. Residential development was observed adjacent to the site to the west. The property to the east was being graded for residential development.
- The 1938 photograph indicates that the property remained unchanged and was the same as 1934 photograph. Several unpaved roads were observed traversing the site.
- The 1939 photograph indicates that the property remained unchanged and was the same as 1938 photograph. Several unpaved roads were observed traversing the site. In addition, a circular water tank was observed to the north of the subject property.
- The 1947 photograph indicates that the property remained unchanged and the same as the 1939 photograph. In addition, a rectangular shaped military bunker is present to the north of the gun club building at the central portion of the property (upper mesa, bunker area). An unpaved road was observed traversing east to west parallel to this military bunker.
- The 1952 photograph indicates that the property remained unchanged and the same as the 1947 photograph, except that the bunker is not present and a small portion of the subject property to the northeast of the former gun club appears to

be used for farming purposes.

- The 1957, 1958, 1960, and 1963 photographs indicate that the property remained unchanged and the same as the 1952 photograph.
- The 1964 photograph indicates that the Bolsa Chica Gun Club building is not present at the southwestern corner of the property. The remaining portion of the property remained unchanged and was the same as 1963 photograph.
- The 1967 photograph indicates that the property remained unchanged and same as 1964 photograph. In addition, a rectangular clarifier type structure to the north of the property (near Los Patos Avenue) and an aboveground circular tank to the northeast corner of the property are present. Scattered building structures are present to the north of Warner Avenue and Los Patos Avenue.
- The 1970, 1973, 1975, 1976, 1978, 1981, 1983, 1987, 1992, 1993 photographs indicate that the property remained unchanged and same as the 1967 photograph. The surrounding area to the north, east, and west is fully developed.

Several areas of potential concern were identified in some of the photographs. These areas, locations A through J are identified on the 1952 aerial photograph in Appendix C. Specific information regarding these areas has been compiled in Section 5.

### **3.5.2 Historical Topographic Maps**

In addition to the historical aerial photograph evaluation, historical topographic maps were reviewed to obtain the history of the subject property. The historical topographic map report was provided by Environmental Data Resources, Inc. (EDR) and is included as Appendix D. These topographic maps represent maps developed in 1896, 1941, and 1965 (photo revised in 1972 and 1981). A review of the historical topographic maps indicates that the subject property is a vacant and undeveloped land. Several unpaved roads were observed traversing the site. The adjacent properties to the south and west were vacant and undeveloped.

### **Summary of Historic Land Use**

During 1920s, the subject site was investigated for oil production. Five exploratory wells were installed. The oil production on the subject property was very limited and most of the exploratory wells were decommissioned during mid 1920s. Prior to 1934, the entire site was vacant and undeveloped. Between 1934 and 1963, the Bolsa Chica Gun Club building occupied the southwestern corner of the property, while the remainder of the

property was vacant and undeveloped. The 1952 photograph indicates that a small portion of the subject property to the northeast of the former gun club appears to be used for farming purposes. Several unpaved roads were evident across the site. It is evident from the review of 1947 aerial photograph that there was military activity (US Army) during the World War II period at the central portion of the property near the bunker area (a rectangular shaped bunker was present to the north of the gun club building at the central portion of the property in the 1947 aerial photograph). According to Mr. Larry Brose of Koll, there was a small military bunker to the west of this large rectangular shaped bunker and both the bunkers have been now dismantled.

### **3.6 CURRENT AND PAST USES OF ADJACENT SITES**

Currently, the adjacent sites to the north and northeast of the subject site are occupied by single-family homes and apartment buildings. An utility pole salvage yard lies to the immediate east and south by Huntington Mesa and Lowland Area. Prior to the year 1978, the adjacent sites were vacant and undeveloped with a few scattered single-family residences and orchards to the north of the subject site. Oil field operations and oil production continue to this date at the adjacent Huntington Mesa and Low Land Area.

## 4.0 RECORDS REVIEW

### 4.1 FEDERAL AND STATE RECORDS

EARTH TECH retained EDR of Southport, Connecticut to provide an environmental database review of sites within the vicinity of the subject property in accordance with the radii specified by the ASTM Standard. The purpose of the database review was to identify reported listings for the subject properties and properties in the vicinity of the sites. Databases reviewed included federal and state lists of known or suspected contaminated sites, known handlers or generators of hazardous waste, known waste disposal facilities, and permitted underground storage tanks. The EDR Toxichack report, which is included as Appendix E, contains the results of a review of the following databases:

#### Federal Records

- NPL - National Priorities List (Superfund)
- CERCLIS - Comprehensive Environmental Response, Compensation, and Liability Information System
- ERNS - Emergency Response Notification System
- RCRIS - Resource Conservation and Recovery Information System
- PADS - PCB Activity Database
- RAATS - RCRA Administration Action Tracking System
- TRIS - Toxic Release Inventory System
- TSCA - Toxic Substances Control Act
- HMIRS - Hazardous Materials Incident Report System

#### State/Regional

- CALSITES - Annual Work Plan of Sites
- CALSITES - Known and Potential Hazardous Waste Sites

- CHMIRS - California Hazardous Material Incident Reporting System
- Cortese - Identified Hazardous Waste and Substance Sites
- LUST - Leaking Underground Storage Tank Incident Reports
- Notify 65 - Proposition 65 Notification Records
- SWAT - Solid Waste Activity Tracking
- SWIS - Active, Closed, and Inactive Landfills
- Toxic Pits - Toxic Pits Cleanup Act Sites
- UST - Hazardous Substance Storage Container Database
- HWIS - Hazardous Waste Information System

The subject property is not listed in the EDR report. No mapped sites that would significantly impact the soil and groundwater quality of the subject property were found in the EDR radius search of available government records within the ASTM search radius around the subject property.

## 5.0 SITE VISIT AND INTERVIEWS

EARTH TECH visited the property on May 14, 22, and 23, 1996. Mr. Ted Ehring of P/T and Associates of Huntington Beach, California was interviewed during the site visits. The findings of the on-site inspection are described in this section and documented in the photographs presented in Appendix B. The following presents the summary of the site visit. Areas referenced are identified on the 1952 aerial photograph in Appendix C.

- The subject property is undeveloped land and is generally covered with open grassy fields with limited woodland areas. During site visit, a fuel dispenser/pump (area A), aboveground steel tank (area B), soil treatment equipment compound (area C) and aboveground concrete clarifier (area D) were observed on the property. In addition, ten inactive/decommissioned oil production wells were observed on the subject property (Figure 3).
- No readily-apparent evidence of waste dumping or abandoned drums was observed on subject property, nor was there evidence of waste dumping noted on adjacent properties. It should be noted that many areas on the site have heavily overgrown vegetation and as such may have hindered the inspection.

### 5.1 HAZARDOUS SUBSTANCES

No hazardous substances were observed on site during the site reconnaissance.

### 5.2 HAZARDOUS SUBSTANCE CONTAINERS AND UNIDENTIFIED CONTAINERS

An inactive 20 feet by 8 feet reinforced concrete three stage clarifier type structure was identified on the subject property at the northcentral area (Photograph #5). No chemical spillage nor staining was observed in the immediate vicinity of the clarifier. Household trash, beer bottles, soil, and weeds were observed inside the clarifier. The brush surrounding the clarifier appeared to be burnt.

In addition, an inactive above-ground elevated wet gas pipeline (area E) was observed traversing (northwest to the southwest) the northwestern portion of the property. This wet gas pipe line is about 8 inches in diameter and approximately 600 feet long. It was reported that the inactive pipeline operation was started in 1957. An inactive soil treatment equipment in a chain-link enclosure was observed at the north central area of the subject property (Photograph #2). It was reported that this soil treatment equipment was in operation from December 1991 to January 1994. Groundwater Technology, Inc.,

(GTI) operated this soil treatment equipment on behalf of CalResources, Inc., to cleanup the soil affected by petroleum hydrocarbons due to subsurface spill of wet gas during the pigging (cleaning) process of the wet gas line.

Several other on-site potential issues (areas F through J, as identified on the 1952 aerial photograph, Appendix C) of potential concern were observed. They are as follows:

- Area F: Possible cluster of aboveground storage tanks at the west side of the property;
- Area G: Unknown structure (possibly an aboveground storage tank) at the west side of the property;
- Area H: Possible cluster of aboveground storage tanks at the southwestern portion of the property;
- Area I: Former military bunker location at the central portion of the property (northeast of former gun club building located to the west of area A); and
- Area J: Possible aboveground storage tank at the southeastern corner of the property.

### **5.3 STORAGE TANKS**

A 20 feet long cylindrical aboveground storage steel tank was observed at the northeast corner of the subject property (Photograph #3). The top surface of the tank was rusted and no holes or punctures were observed on the tank. No signs nor labels were observed on the tank indicating the purpose for which the tank was used. The contents of the tank and the purpose of tank usage is unknown. No spills nor staining was observed on the soil surrounding the tank. In addition, a disconnected, old electrical panel was observed in an enclosure adjacent to the aboveground storage tank.

Observation of fuel dispenser/pump type equipment (Photograph #6) at the southwest corner of the subject property (near the former gun club building area) indicates a possibility of underground storage tank presence in this area.

### **5.4 INDICATION OF POLYCHLORINATED BIPHENYLS**

No pad-mounted nor pole-mounted electrical transformers were observed on the subject property during the site visit.

## **5.5 INDICATION OF SOLID WASTE DISPOSAL**

No indication of solid waste disposal at the site was observed during the site visit.

## 6.0 FINDINGS, RECOMMENDATIONS AND CONCLUSIONS

EARTH TECH has prepared this Phase I ESA in general conformance with the scope and limitations of ASTM Practice E-1527. Based on our site visit and investigations, the following specific conclusions were reached:

1. The subject property is currently undeveloped land and is generally covered with open grassy fields with limited woodland areas. No evidence of hazardous waste was observed during site reconnaissance. There are no buildings on the subject site. No construction or other activities were observed during the site reconnaissance.
2. A fuel dispenser/pump, an aboveground concrete clarifier, and an aboveground steel tank were observed on the property. Soil sampling and laboratory analyses of soil samples is recommended to assess the potential presence of contaminants in the vicinity of these areas.
3. Several other on-site potential issues (areas F through J, Appendix C) were identified on the 1952 aerial photograph. EARTH TECH recommends soil sampling and laboratory analyses to assess the potential presence of contaminants in the vicinity of these areas, as well.
4. No off-site properties of significant concern were noted in the EDR report nor from the information provided by the California Regional Water Quality Control Board (RWQCB).
5. Review of available reports prepared by GTI indicate that the soil and groundwater at the northwestern edge of the subject property was affected with hydrocarbons due to subsurface spill of wet gas during pigging (cleaning) of the wet gas line. GTI performed cleanup activities on behalf of CalResources, Inc. A soil vapor extraction remediation system was in operation at this area from December 1991 to January 1994. Site closure was requested in March 1994. In 1995 RWQCB, Santa Ana Region requested further vapor extraction system operation to remove volatile organics from the groundwater and deeper soils. According to Mr. Kamron Saremi of the RWQCB, a written closure was issued for the site in April 1996, requiring no further action (Personal Communication, 1996).

5. Review of oil well abandonment reports indicate that the five exploratory oil wells on the subject property were decommissioned in 1923. These five exploratory oil wells may need be re-abandoned to meet the current State standards. Five oil production wells were closed/decommissioned in 1973 and one oil well was closed in 1989. The remaining four oil production wells were closed/decommissioned in 1994 based on the current State standards.
6. According to Mr. Ted Ehring of P/T and Associates, there was no shooting range associated with the former gun club. Duck hunting was conducted in the Lowland area which is not a part of the subject property. Therefore, it appears unlikely that there is a potential presence of lead in the soil in the former gun club area.

## 7.0 LIMITATIONS

This assessment presents EARTH TECH's professional interpretation and judgement of the existing site conditions based on the facts currently available within the limits of the mutually agreed to scope of work, budget, and schedule, which are not intended to be exhaustive in scope. EARTH TECH's work was performed in accordance with generally accepted engineering standards and the EARTH TECH Consulting Agreement. It is EARTH TECH's specific intent that the conclusions and recommendations presented herein be used as a guidance and not necessarily as a firm course of action unless explicitly stated as such. WE MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, AS TO THE MARKETABILITY OR FITNESS OF THE PROPERTY FOR A PARTICULAR PURPOSE. In addition, the information provided in this report is not be construed as legal advice.

EARTH TECH is not engaged in environmental reporting for the purpose of advertising, sales promotion, or endorsement of any client's interest, including raising investment capital, recommending investment decisions, or other publicity purposes. Our client acknowledges that this report has been prepared for the exclusive use of the client and agrees that EARTH TECH reports and correspondence will not be used nor relied upon in any prospectus or offerings circular.

Respectfully submitted,

EARTH TECH, Inc.

Sreedhar "Sree" Akkenapally  
Project Engineer

Fred Allison, P.E.  
Manager of EHS Compliance Programs

## 8.0 REFERENCES

Groundwater Technology, 1991. Preliminary Subsurface Investigation Gas Plant Hillside Seep Area, Huntington Beach Production Facility, Huntington Beach, California, Groundwater Technology, Inc., February 1991.

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Poland and Piper, 1956. Groundwater Geology of the Coastal Zone, Long Beach - Santa Ana Area, California, U.S. Geological Survey Water Paper 1109.

Schafer Dixon Associates, 1991. Phase I Environmental Assessment, Bolsa Chica 1194-Acre Parcel, Huntington Beach, California, Schafer Dixon Associates, Inc. April 1991.

U.S. Geological Survey, 1981. Seal Beach Quadrangle, 7.5 Minute Series (Topographic Map).



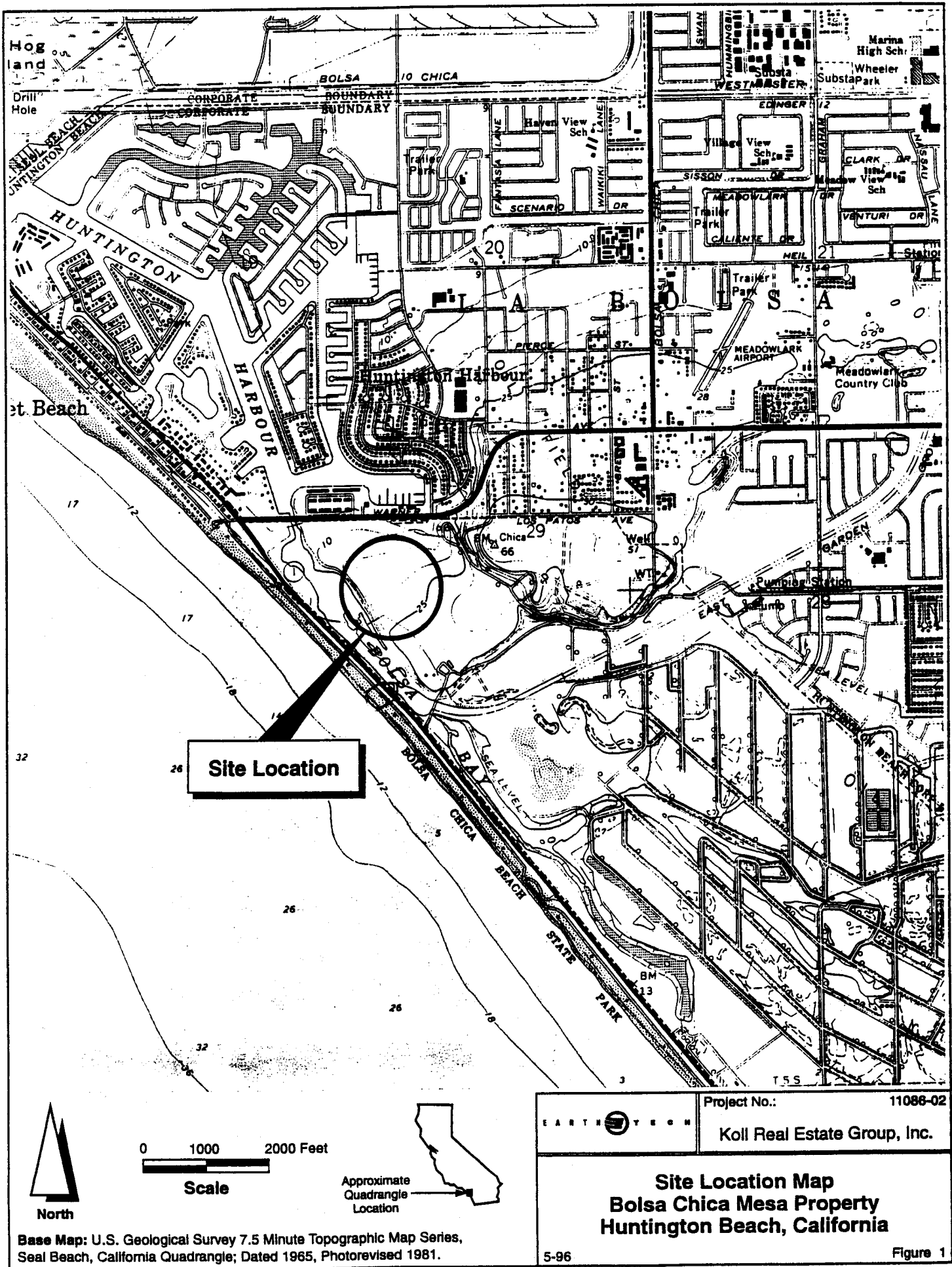


## **APPENDIX A**

## **FIGURES**

050396.RPT/96-5042-01





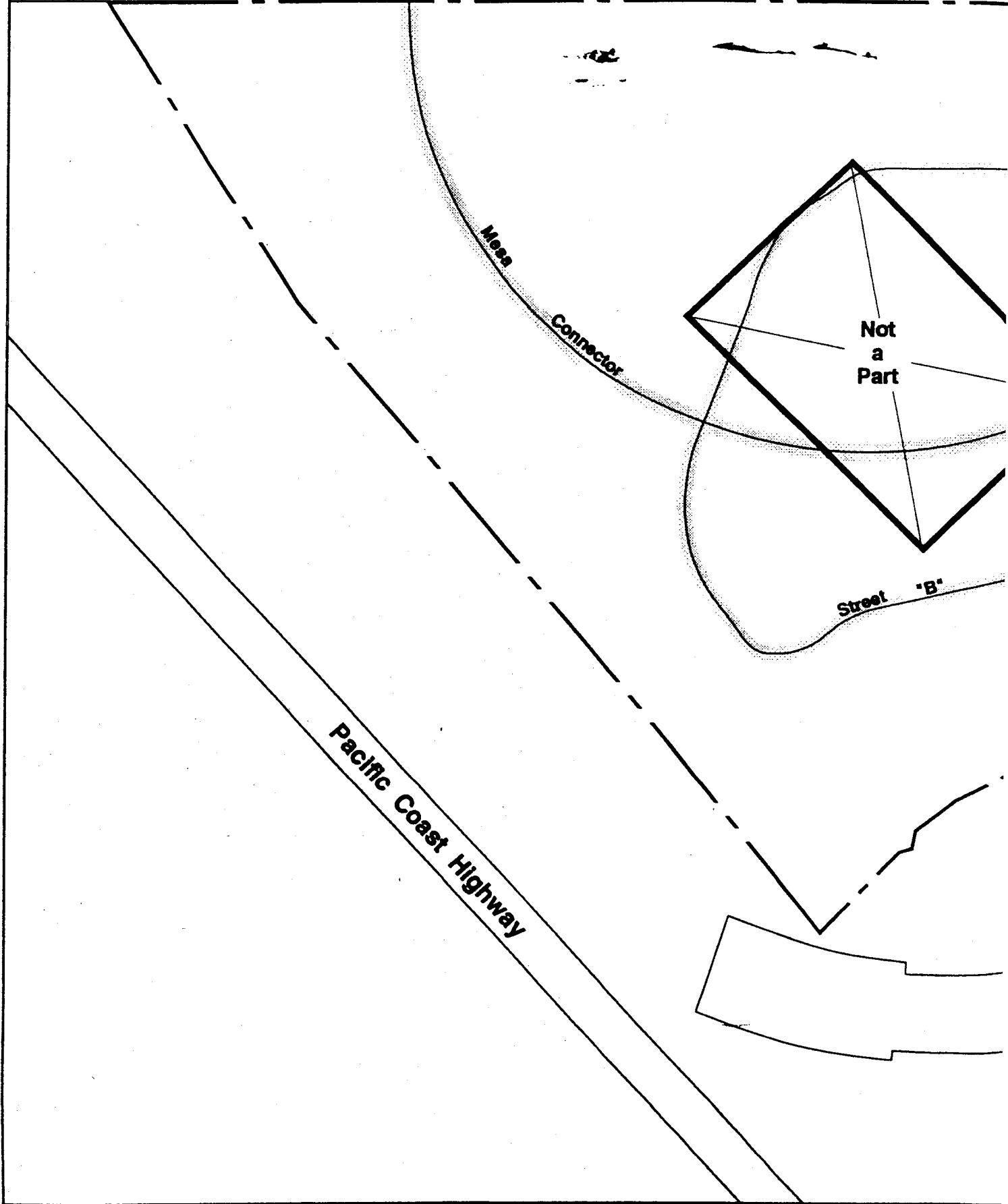
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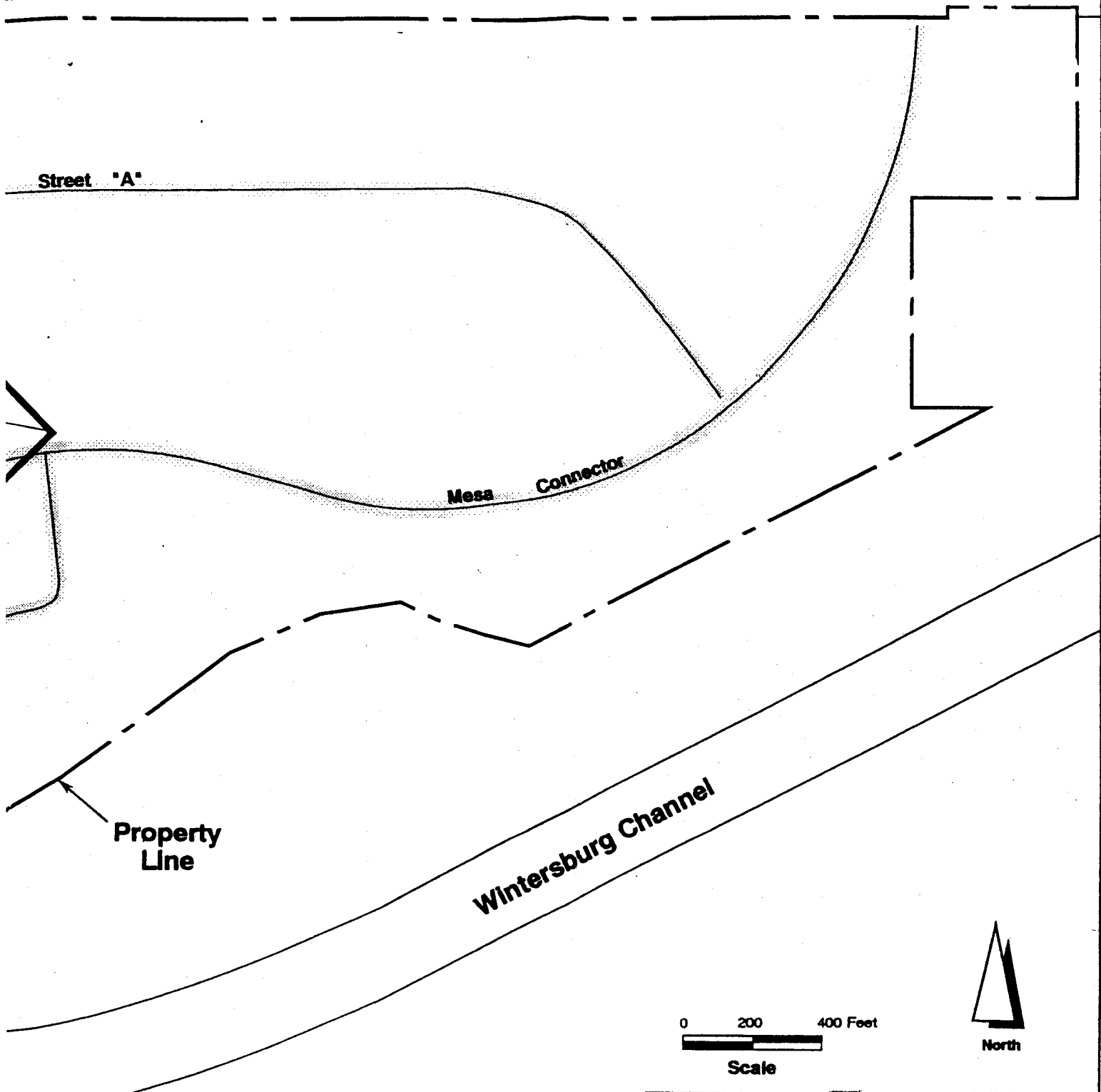
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Pacific Coast Highway




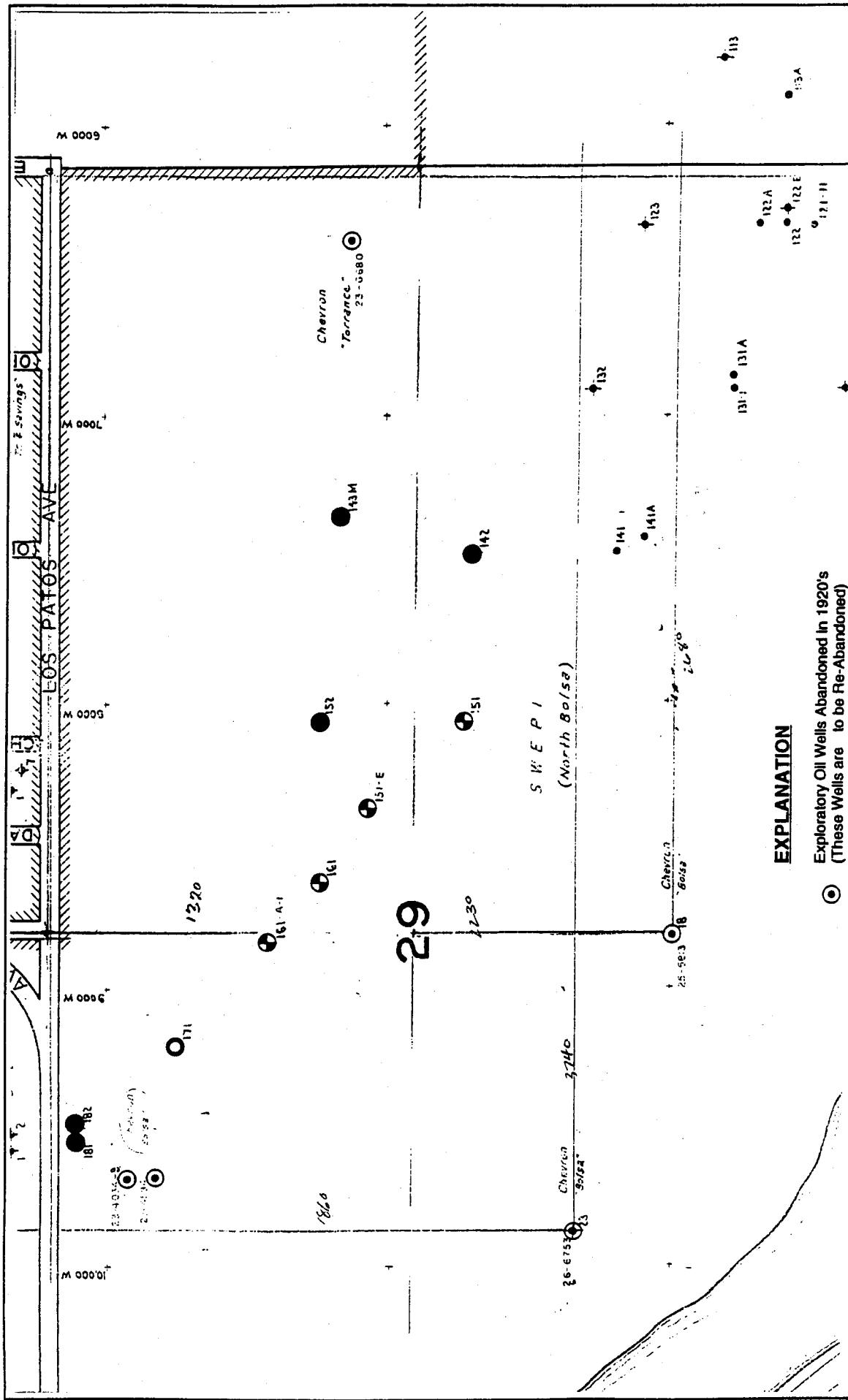
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 EARTH SYSTEMS	Project No.: 11086-02
	Koll Real Estate Group, Inc.
<b>Site Plan</b> <b>Bolsa Chica Mesa Property</b> <b>Huntington Beach, California</b>	
5-86	Figure 2



# EXPLANATION

- Exploratory Oil Wells Abandoned in 1920's  
(These Wells are to be Re-Abandoned)
- Oil Wells Abandoned in 1973
- Oil Well Abandoned in 1989
- Oil Wells Plugged and Abandoned in 1994

Project No.: 11086-02

Koll Real Estate Group, Inc.

## Oil Well Location Map Bolsa Chica Mesa Property Huntington Beach, California

Source: State of California Department of Conservation Division of Oil and Gas.

5-96

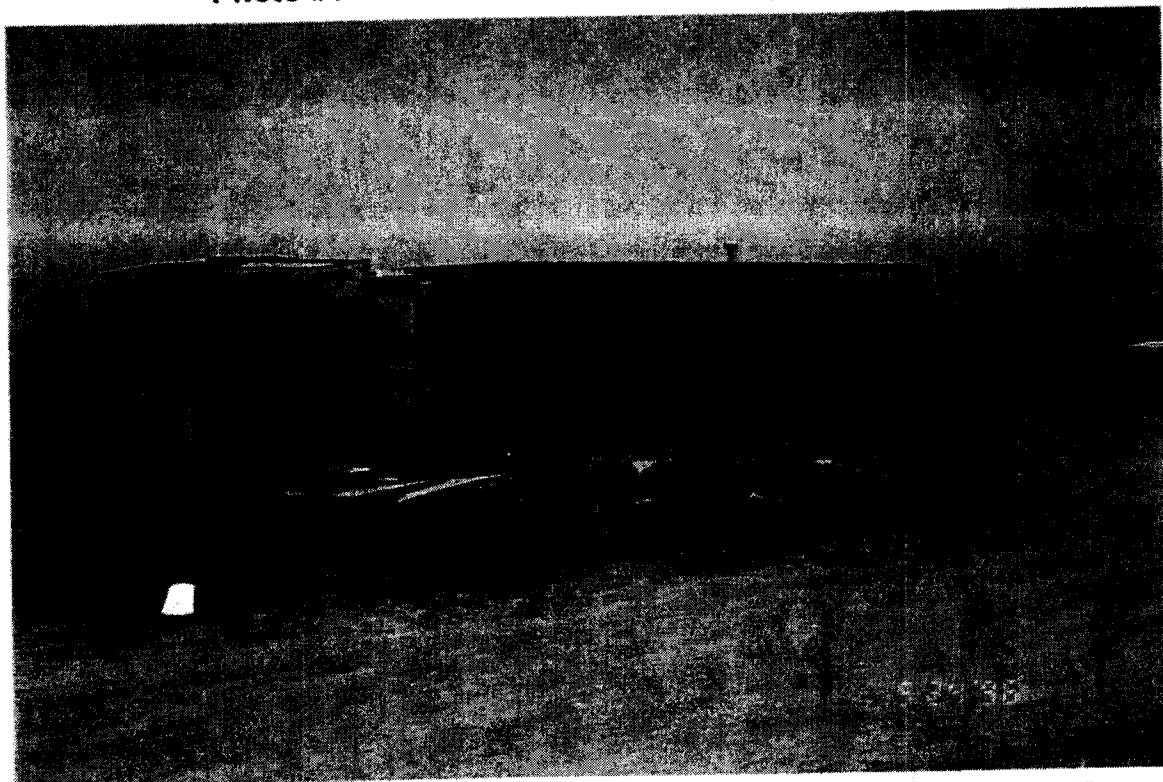
Figure 3




**APPENDIX B**  
**SITE PHOTOGRAPHS**

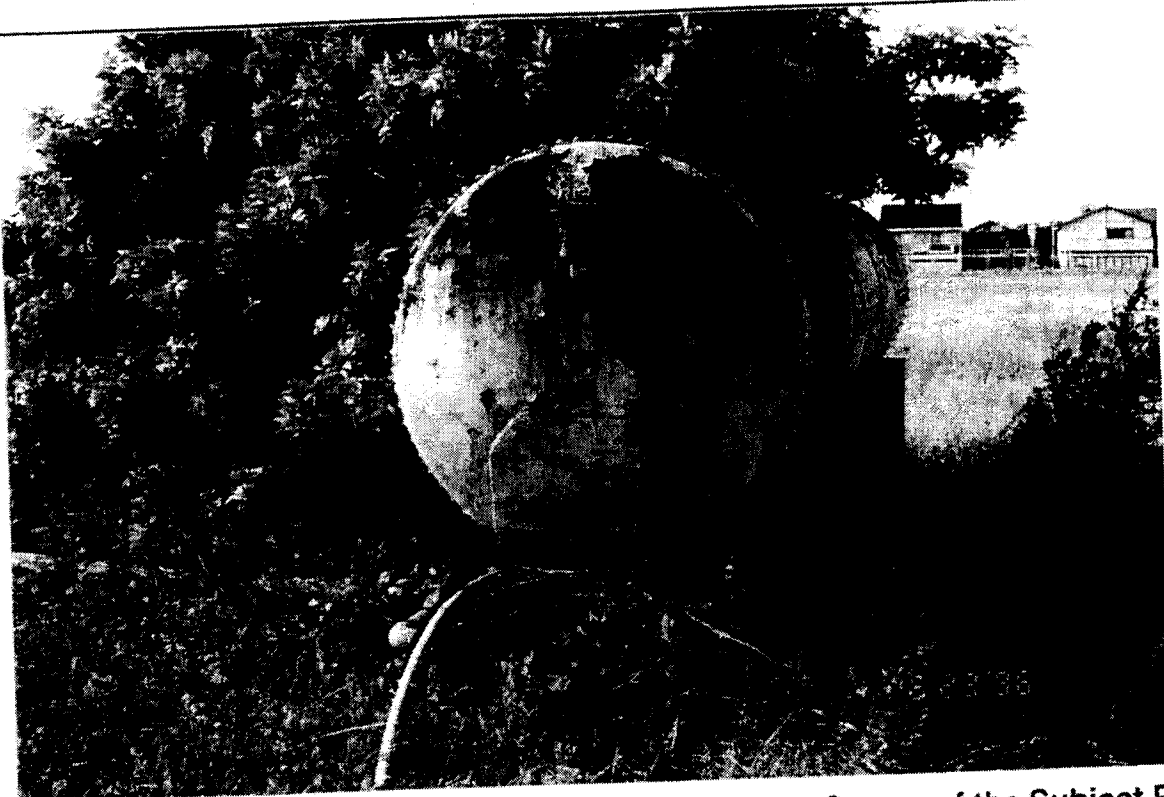


**Photo #1 Northern Portion of the Subject Property**



**Photo #2 Soil Treatment Facility in the North Central Area of the Subject Property**


	Project No.: 11086-02 Koll Real Estate Group, Inc.
<p align="center"> <b>Site Photographs</b>  <b>Bolsa Chica Mesa Property</b>  <b>Huntington Beach, California</b> </p>	

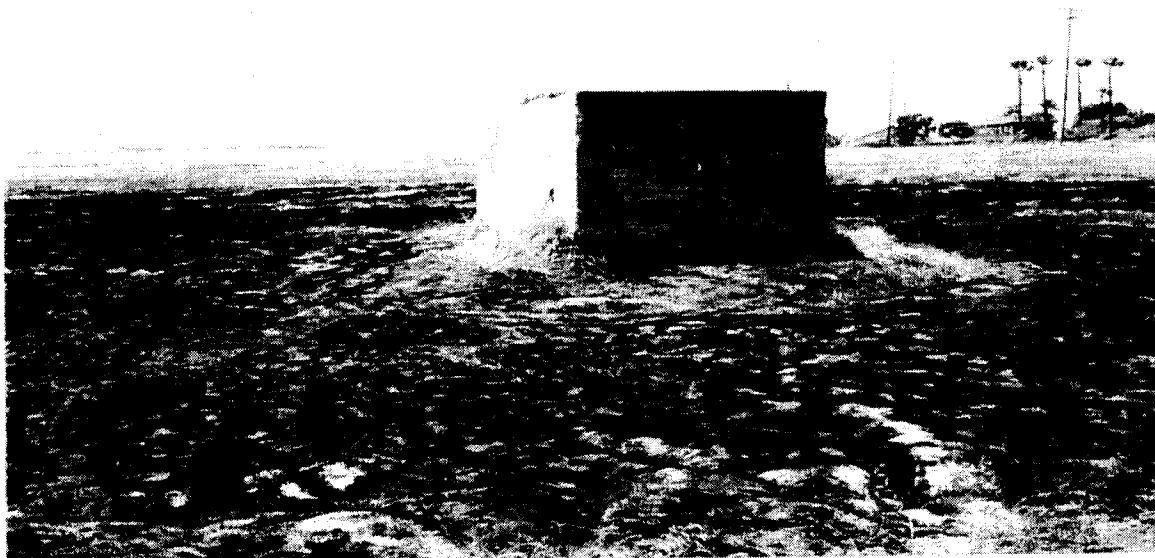


**Photo #3 Above Ground Steel Storage Tank in the Northeast Corner of the Subject Property**

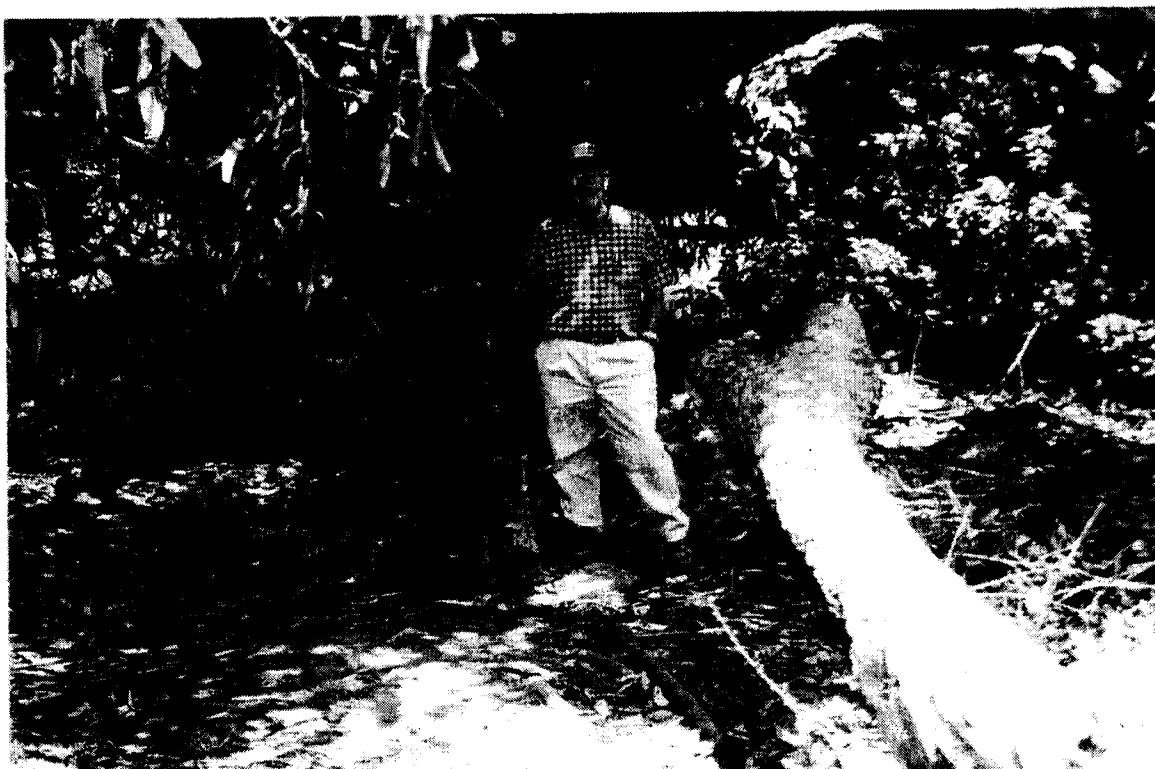


**Photo #4 Electrical Panel Enclosure Adjacent to the Above Ground Storage Tank**


EARTH  TECH	Project No.: 11086-02 Koll Real Estate Group, Inc.
<p align="center"> <b>Site Photographs</b>  <b>Bolsa Chica Mesa Property</b>  <b>Huntington Beach, California</b> </p>	



**Photo #5 Above Ground Concrete Clarifier in the North Central Area of the Subject Property**



**Photo #6 Fuel Dispenser/Pump Equipment in the Southwest Corner of the Subject Property**

	Project No.: 11086-02 Koll Real Estate Group, Inc.
<p align="center"> <b>Site Photographs</b>  <b>Bolsa Chica Mesa Property</b>  <b>Huntington Beach, California</b> </p>	



**APPENDIX C**  
**HISTORICAL AERIAL PHOTOGRAPHS**



11088-02  
Project No.  
Koll Real Estate Group, Inc.



1952 Aerial Photograph  
Bolsa Chica Mesa Property  
Areas of Potential Concern



11086-01

Project No.

Koll Real Estate Group, Inc.



1967 Aerial Photograph  
Bolsa Chica Mesa Property

5-96



Project No.

11086-02

Koll Real Estate Group, Inc.



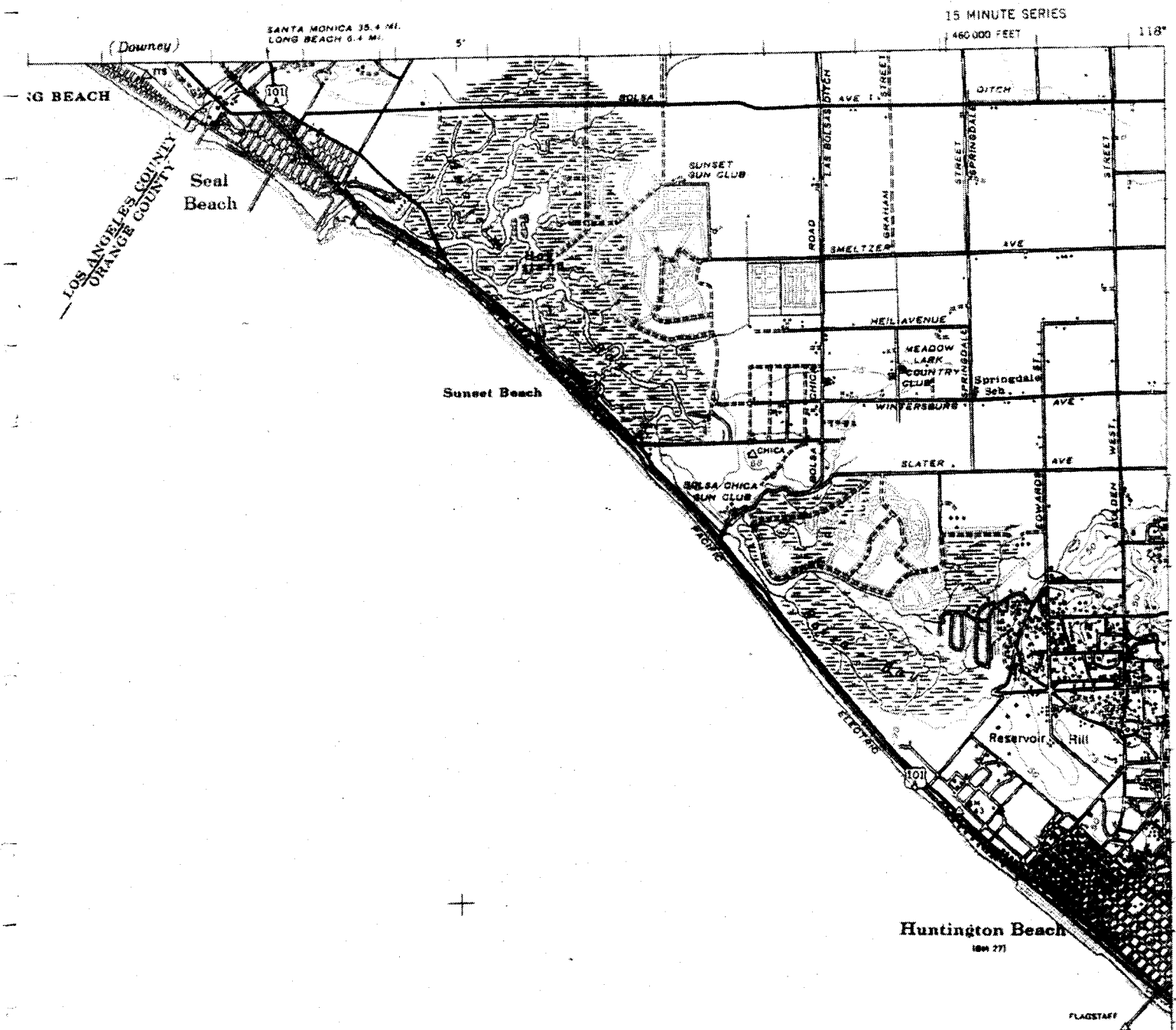
1993 Aerial Photograph  
Bolsa Chica Mesa Property

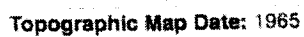


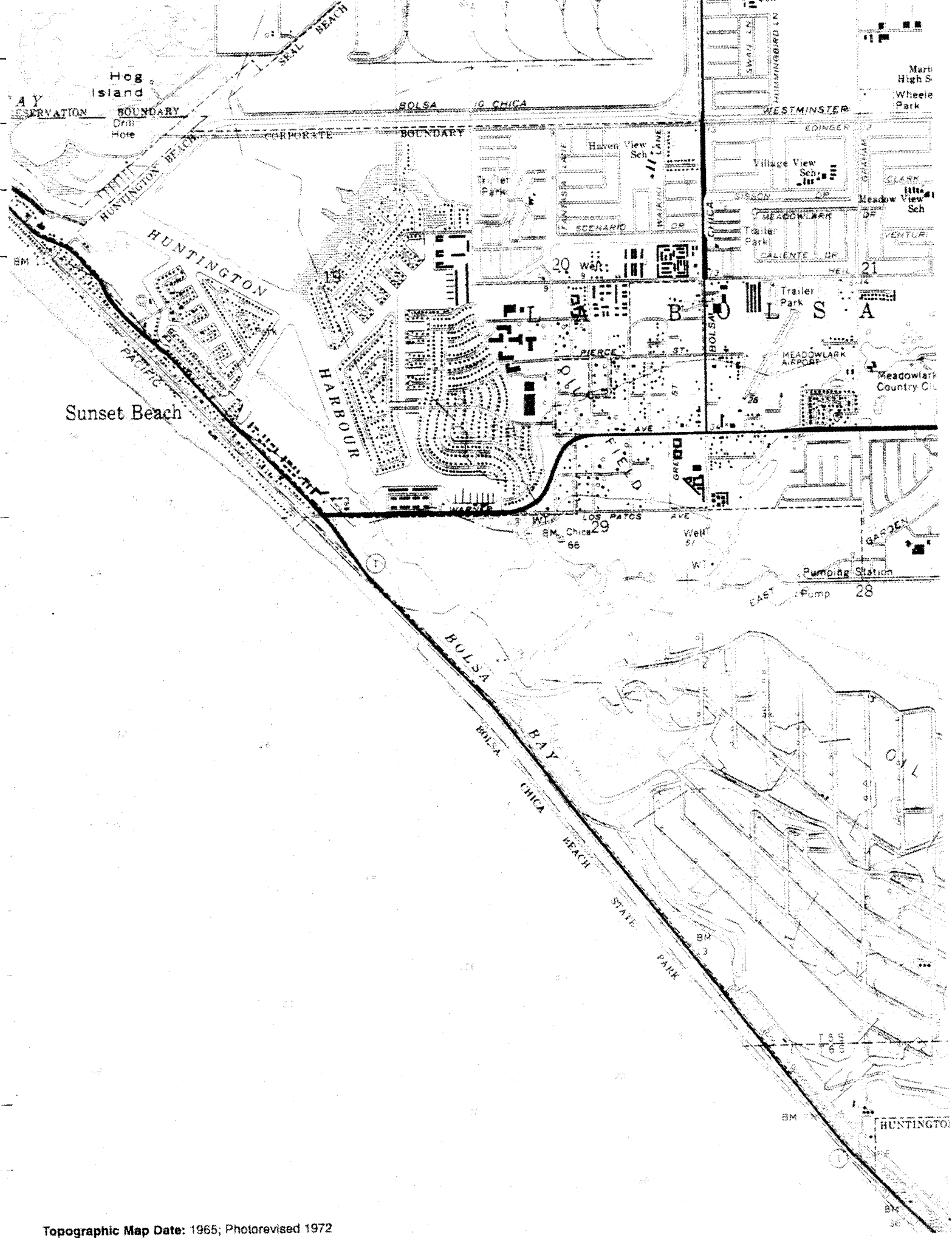
18° 30' (Anah)



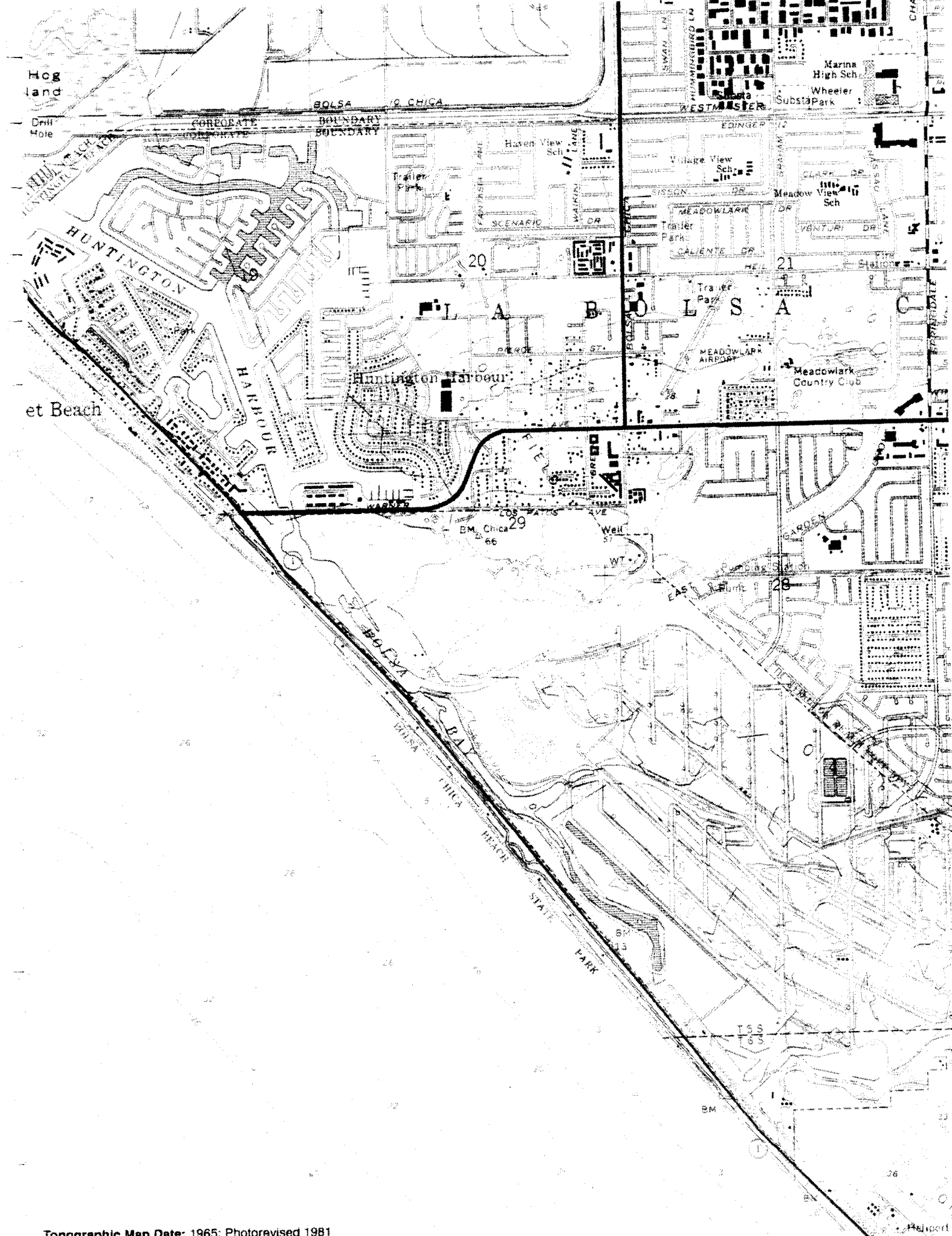
(Santa Ana)

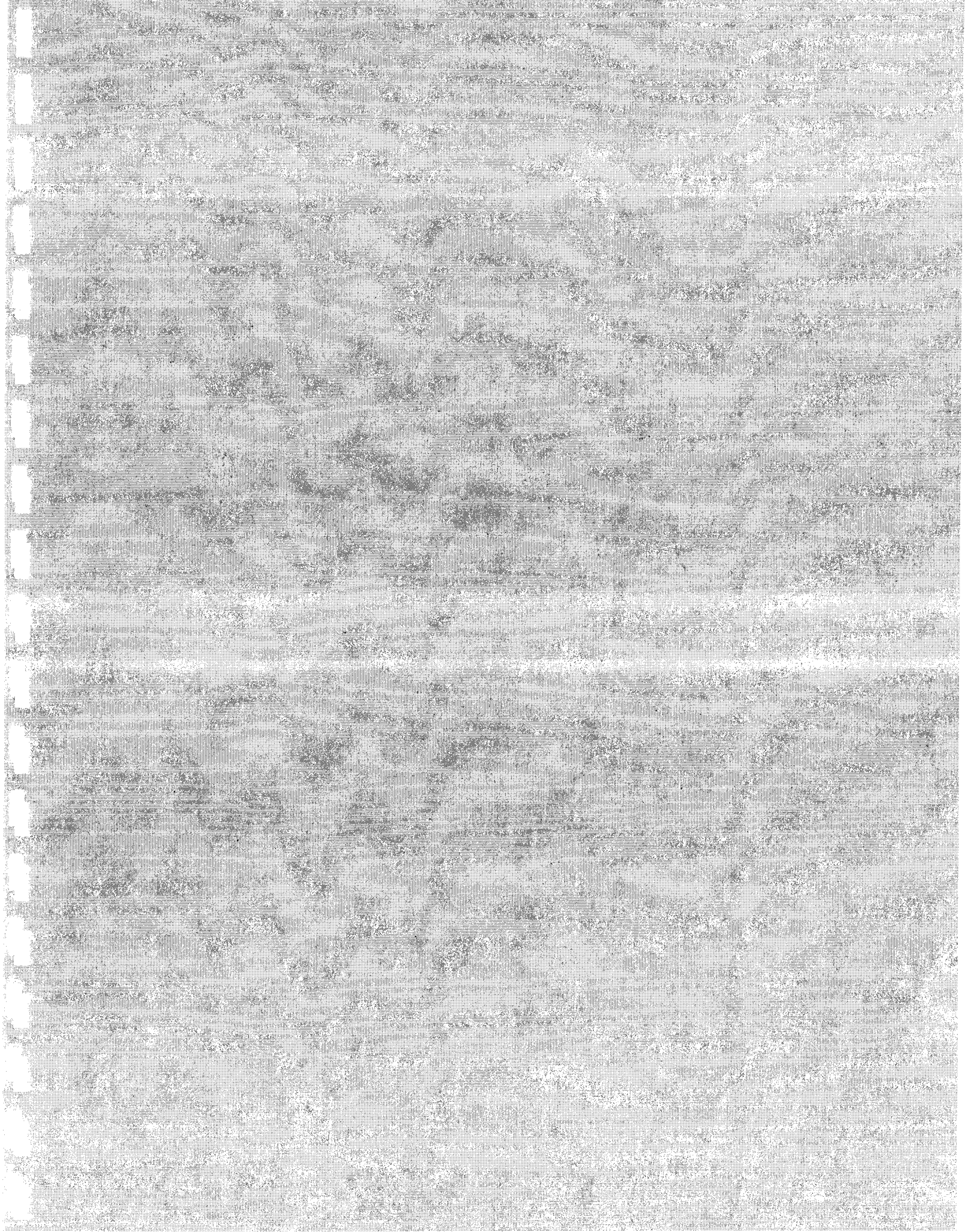






Topographic Map Date: 1965; Photorevised 1972





**APPENDIX E**  
**EDR-RADIUS MAP REPORT**

050396.RPT/96-5042-01



## **The EDR-Radius Map with GeoCheck™**

**Bolsa Chica Bluff Property  
Bolsa Chica Bluff Property  
Huntington Beach, CA 92649**

**Inquiry Number: 118503.1s**

**May 15, 1996**



**Environmental  
Data  
Resources, Inc.**

**Creators of Toxicheck/®**

## ***The Source For Environmental Risk Management Data***

**3530 Post Road  
Southport, Connecticut 06490**

**Nationwide Customer Service**

**Telephone: 1-800-352-0050  
Fax: 1-800-231-6802**

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***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

### Disclaimer

This Report contains information obtained from a variety of public sources and EDR makes no representation or warranty regarding the accuracy, reliability, quality, or completeness of said information or the information contained in this report. The customer shall assume full responsibility for the use of this report.  
No warranty of merchantability or of fitness for a particular purpose, expressed or implied, shall apply and EDR specifically disclaims the making of such warranties. In no event shall EDR be liable to anyone for special, incidental, consequential or exemplary damages. Copyright (c) 1996 by EDR. All rights reserved.

## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The search met the specific requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-94, or custom distances requested by the user.

The address of the subject property for which the search was intended is:

BOLSA CHICA BLUFF PROPERTY  
HUNTINGTON BEACH, CA 92649

No mapped sites were found in EDR's search of available ( "reasonably ascertainable ") government records either on the subject property or within the ASTM E 1527-94 search radius around the subject property for the following Databases:

NPL:	National Priority List
Delisted NPL:	NPL Deletions
RCRIS-TSD:	Resource Conservation and Recovery Information System
AWP:	Annual Workplan
Delisted Cal-Sites:	Not reported
CHMIRS:	California Hazardous Material Incident Report System
Toxic Pits:	Toxic Pits
CERCLIS:	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP:	Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS:	Corrective Action Report
SWF/LF (SWIS):	Solid Waste Information System
LUST:	Leaking Underground Storage Tank Information System
UST:	Hazardous Substance Storage Container Database
CA FID:	Facility Inventory Database
AST:	Aboveground Petroleum Storage Tank Facilities
RAATS:	RCRA Administrative Action Tracking System
WMUDS/SWAT:	Waste Management Unit Database
HWIS:	Hazardous Waste Information System
RCRIS-SQG:	Resource Conservation and Recovery Information System
RCRIS-LQG:	Resource Conservation and Recovery Information System
HMIRS:	Hazardous Materials Information Reporting System
PADS:	PCB Activity Database System
ERNS:	Emergency Response Notification System
FINDS:	Facility Index System
TRIS:	Toxic Chemical Release Inventory System
TSCA:	Toxic Substances Control Act
MLTS:	Material Licensing Tracking System
RODS:	Records Of Decision
CONSENT:	Superfund (CERCLA) Consent Decrees
NPL Liens:	Federal Superfund Liens
Site Mitigation:	Site Mitigation Complaint Control Log
Industrial Sites:	List of Industrial Site Cleanups
HMMD:	Hazardous Materials Management Division Database
SLIC Region:	CA SLIC regions.
CA Bond Exp. Plan:	Bond Expenditure Plan
CA HW Generator:	Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
Waste Discharge System:	Waste Discharge System
Coal Gas:	Former Manufactured gas (Coal Gas) Sites.

Unmapped (orphan) sites are not considered in the foregoing analysis.

## EXECUTIVE SUMMARY

### **Search Results:**

Search results for the subject property and the search radius, are listed below:

### **Subject Property:**

The subject property was not listed in any of the databases searched by EDR.

## EXECUTIVE SUMMARY

### Surrounding Properties:

Sites with an elevation equal to or higher than the subject property are in the left hand column; those with a lower elevation are in the right hand column. Page numbers refer to the EDR Radius Map report where detailed data on individual sites may be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

**CAL-SITES:** Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control.

A review of the Cal-Sites list, as provided by EDR, and dated 11/01/1995 has revealed that there is 1 Cal-Sites site within approximately 1 Mile of the subject property.

<u>Equal/Higher Elevation</u>	<u>Page/Map ID</u>	<u>Lower Elevation</u>	<u>Page/Map ID</u>
STEVERSON BROS. BOUCHER SITE	8/4		

**NOTIFY 65:** Notify 65 records contain facility notifications about any release that could impact drinking water and thereby expose the public to a potential health risk. The data comes from the State Water Resources Control Board's Proposition 65 database.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there are 2 Notify 65 sites within approximately 1 Mile of the subject property.

<u>Equal/Higher Elevation</u>	<u>Page/Map ID</u>	<u>Lower Elevation</u>	<u>Page/Map ID</u>
HUNTINGTON HARBOUR CAR WASH	8/A1		
<b><i>HUNTINGTON HARBOUR CAR WASH</i></b>	<b><i>8/A2</i></b>		

**CORTESE:** This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, and dated 12/31/1994 has revealed that there are 5 Cortese sites within approximately 1 Mile of the subject property.

<u>Equal/Higher Elevation</u>	<u>Page/Map ID</u>	<u>Lower Elevation</u>	<u>Page/Map ID</u>
HUNTINGTON HARBOR CAR WASH	8/A3		
MOBIL SERVICE STATION #11-D7E	8/B5		
CONOCO (KAYO OIL CO/JET)	8/B6		
MEADOWLARK AIRPORT	9/7		
EXXON SERVICE STATION #2646	9/8		

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

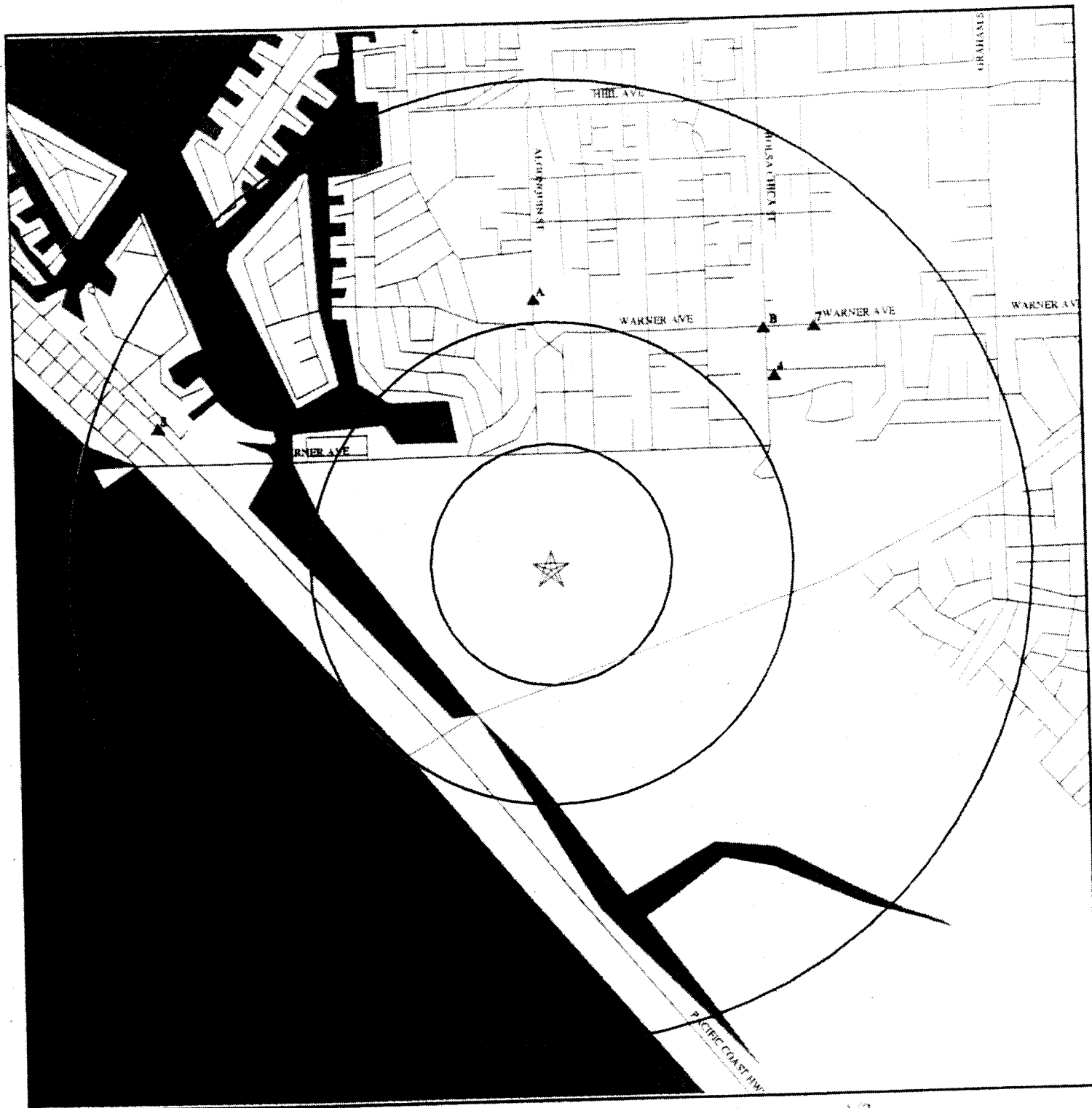
Site Name

AMINOIL BOLSA CHICA  
CITY OF HUNTINGTON BEACH LANDFILL  
CITY OF HUNTINGTON BEACH  
STATE LANDS COMMISSION  
STEVERSON BROTHERS-BOLSA CHICA  
HARBOUR CLEANERS  
ENTROPY ENVIRONMENTALISTS INC  
HARBOUR CLEANERS  
VEE IMPORT DOC  
CORNER OF BOLSA CHICA & HEIL

Database(s)

CERC-NFRAP  
SWF/LF (SWIS)  
SWF/LF (SWIS)  
UST  
WMUDS/SWAT  
HWIS  
HWIS  
RCRIS-SQG.FINDS  
FINDS.RCRIS-LQG  
ERNS

# OVERVIEW MAP - 118503.1s - Earth Tech



- ★ - Indicates TARGET PROPERTY.
- ▲ - Indicates sites at elevations higher than or equal to the target property.
- - Indicates sites at elevations lower than the target property.
- ▲ - Coal Gasification Sites (if requested)
- - National Priority List Sites

0 1/4 1/2  
Miles

- Power transmission lines (USGS DLG, 1993)
- Oil & Gas pipelines (USGS DLG, 1993)

TARGET PROPERTY: Bolsa Chica Bluff Property  
ADDRESS: Bolsa Chica Bluff Property  
CITY/STATE/ZIP: Huntington Beach CA 92649  
LAT/LONG: 33.7076 / 118.0485

CUSTOMER: Earth Tech  
CONTACT: Fred Allison  
INQUIRY #: 118503.1s  
DATE: May 15, 1996

# GEOCHECK VERSION 2.1 SUMMARY

## GEOLOGIC AGE IDENTIFICATION†

Geologic Code: Q  
Era: Cenozoic  
System: Quaternary  
Series: Quaternary

## ROCK STRATIGRAPHIC UNIT†

Category: Stratified Sequence

## GROUNDWATER FLOW INFORMATION

General Topographic Gradient: Undeterminable  
General Hydrogeologic Gradient: no hydrogeologic data available.

Note: In a general way, the water table typically conforms to surface topography.‡

## USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2433118-F1 SEAL BEACH, CA

## FEDERAL DATABASE WELL INFORMATION

<u>WELL QUADRANT</u>	<u>DISTANCE FROM TP</u>	<u>LITHOLOGY</u>	<u>DEPTH TO WATER TABLE</u>
Northern	>2 Miles	Not Reported	3 ft.

## STATE DATABASE WELL INFORMATION

<u>WELL QUADRANT</u>	<u>DISTANCE FROM TP</u>
Northern	1/2 - 1 Mile
Eastern	1/2 - 1 Mile
Southern	>2 Miles
Western	>2 Miles

## PUBLIC WATER SUPPLY SYSTEM INFORMATION (EPA-FRDS)

Searched by Nearest Well.

NOTE: PWS System location is not always the same as well location.

PWS Name: CITY OF SEAL BEACH  
211 8TH ST  
SEAL BEACH, CA 90740

Location Relative to TP: >2 Miles West

Well currently has or has had major violation(s): No

## AREA RADON INFORMATION

ORANGE COUNTY, CA

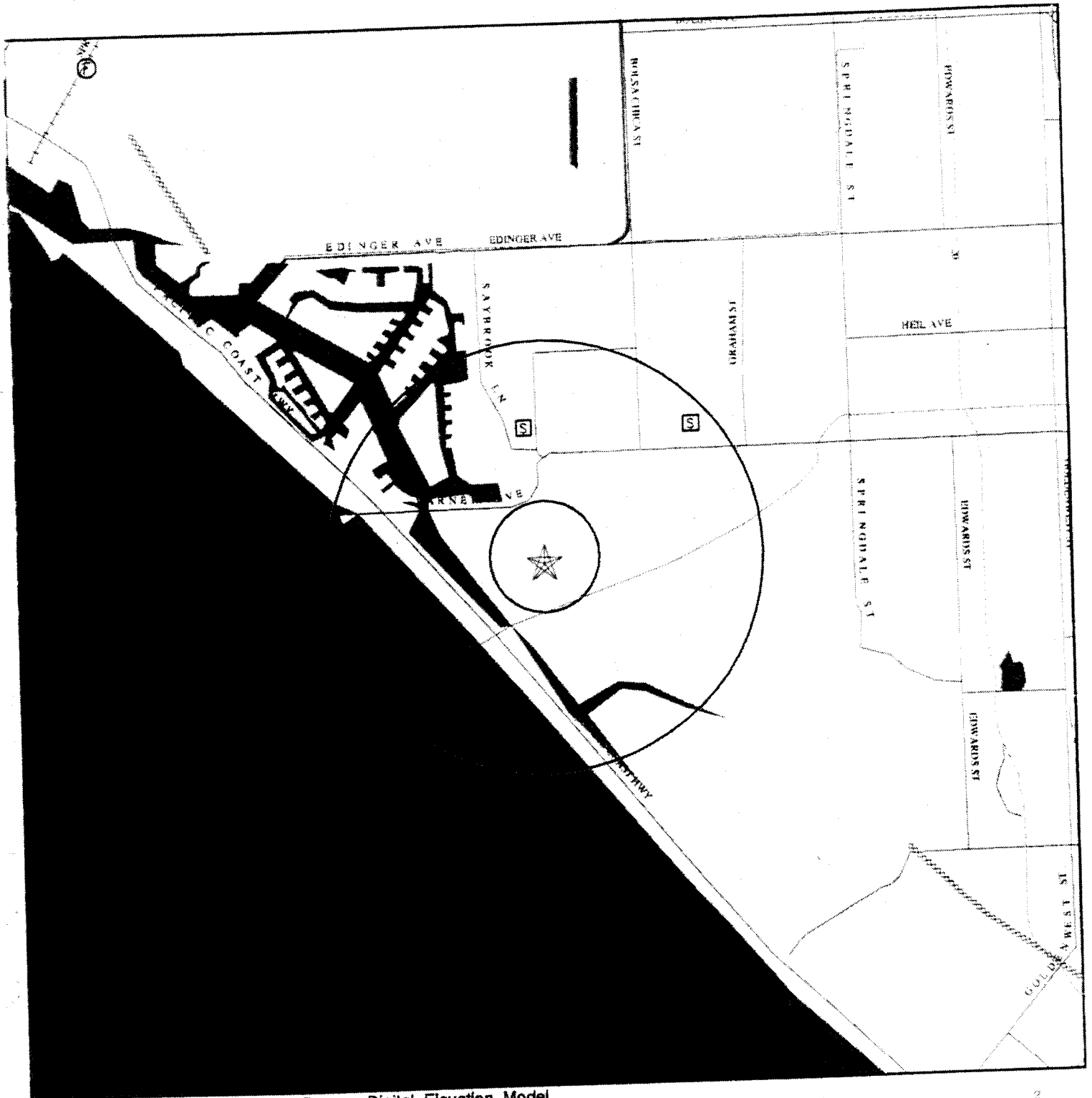
Number of sites tested: 30

<u>Area</u>	<u>Average Activity</u>	<u>% &lt;4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% &gt;20 pCi/L</u>
Living Area - 1st Floor	0.763 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

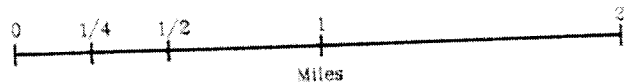
† Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec. Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Bekunian Map. USGS Digital Data Series DDS-11 (1994).

‡ U.S. EPA Ground Water Handbook, Vol. I: Ground Water and Contamination. Office of Research and Development EPA/625/R-90/016a Chapter 4, page 78, September 1990.

# TOPOGRAPHIC MAP - 118503.1s - Earth Tech



Source: US Geological Survey 1-Degree Digital Elevation Model  
Compiled 09/15/92

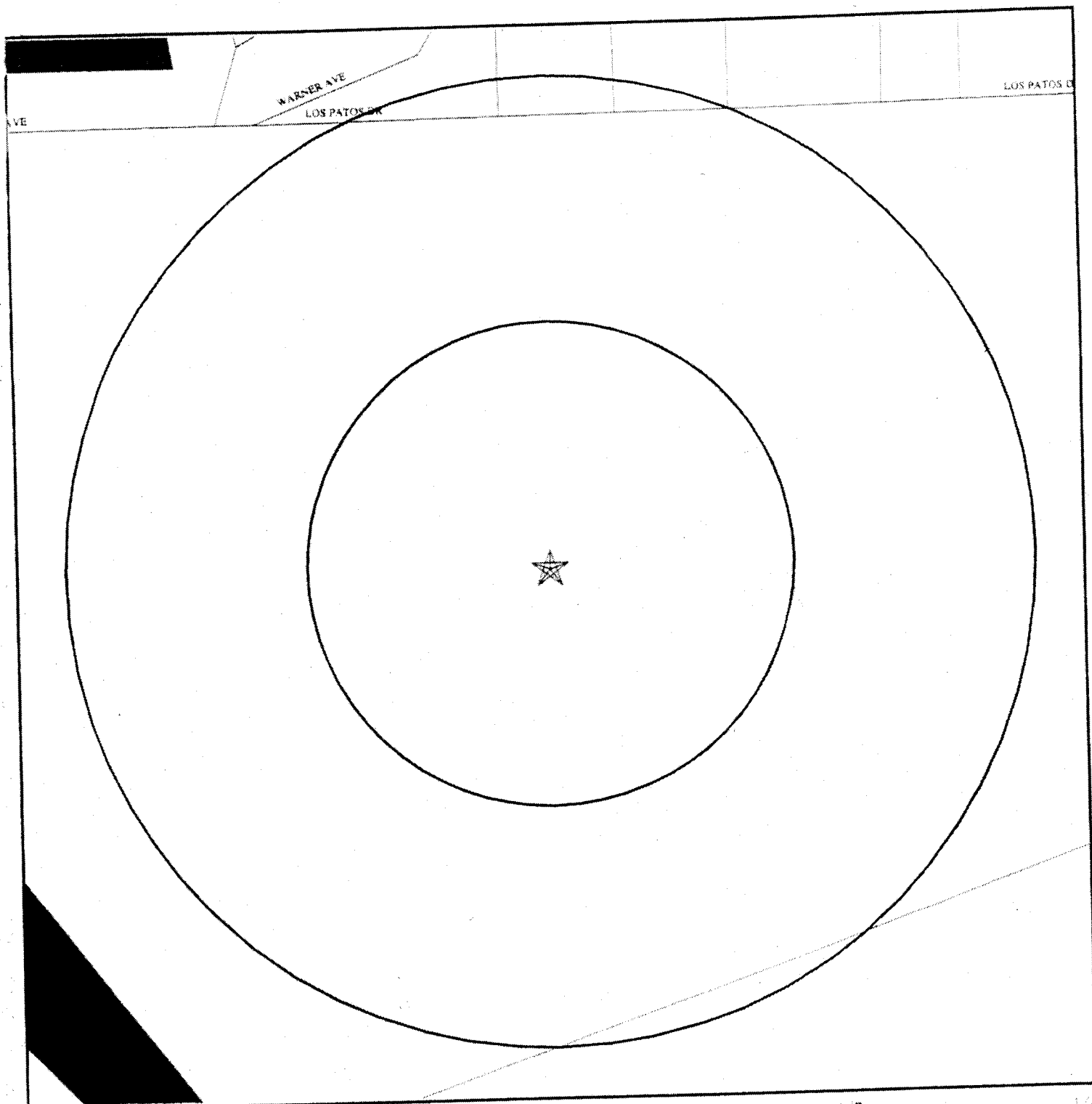


- Major Roads
- Contour lines (25 foot interval unless otherwise shown)
- Waterways
- Earthquake fault lines
- Earthquake epicenter, Richter 5 or greater.
- Closest well according to (F)ederal or (S)tate database in quadrant.
- Closest public water supply well.

TARGET PROPERTY: Bolsa Chica Bluff Property  
ADDRESS: Bolsa Chica Bluff Property  
CITY/STATE/ZIP: Huntington Beach CA 92649  
LAT/LONG: 33.7076 / 118.0485

CUSTOMER: Earth Tech  
CONTACT: Fred Allison  
INQUIRY #: 118503.1s  
DATE: May 15, 1996

# DETAIL MAP - 118503.1s - Earth Tech



- ★ - Indicates TARGET PROPERTY.
- ▲ - Indicates sites at elevations higher than or equal to the target property.
- ◆ - Indicates sites at elevations lower than the target property.
- ▲ - Coal Gasification Sites (if requested)
- - Sensitive Receptors
- - National Priority List Sites

0 1/8 1/4  
Miles

- - Power transmission lines (USGS DLG, 1993)
- - Oil & Gas pipelines (USGS DLG, 1993)

TARGET PROPERTY: Bolsa Chica Bluff Property  
 ADDRESS: Bolsa Chica Bluff Property  
 CITY/STATE/ZIP: Huntington Beach CA 92649  
 LAT/LONG: 33.7076 / 118.0485

CUSTOMER: Earth Tech  
 CONTACT: Fred Allison  
 INQUIRY #: 118503.1s  
 DATE: May 15, 1996

# MAP FINDINGS SUMMARY SHOWING ALL SITES

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	0	NR	0
Delisted NPL	TP		NR	NR	NR	NR	NR	0
RCRIS-TSD		1.000	0	0	0	0	NR	0
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	0	0	0	1	NR	1
Delisted Cal-Sites		1.000	0	0	0	0	NR	0
Notify 65		1.000	0	0	0	2	NR	2
CHMIRS		1.000	0	0	0	0	NR	0
Cortese		1.000	0	0	0	5	NR	5
Toxic Pits		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP	TP		NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
St. Landfill (SWIS)		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
CA FID		0.250	0	0	NR	NR	NR	0
AST		0.125	0	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
HWIS		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ERNS	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
NPL Liens	TP		NR	NR	NR	NR	NR	0
Site Mitigation	TP		NR	NR	NR	NR	NR	0
Industrial Site	TP		NR	NR	NR	NR	NR	0
HMMD	TP		NR	NR	NR	NR	NR	0
CA SUC	TP		NR	NR	NR	NR	NR	0
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
CA HW Generator	TP		NR	NR	NR	NR	NR	0
CA WDS	TP		NR	NR	NR	NR	NR	0
Coal Gas		1.000	0	0	0	0	NR	0

TP - Target Property

NR - Not Requested at this Search Distance

\* Sites may be listed in more than one database

<p align="center"><b>MAP FINDINGS SUMMARY SHOWING ONLY SITES HIGHER THAN OR THE SAME ELEVATION AS TP</b></p>
--

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	0	NR	0
Delisted NPL	TP		NR	NR	NR	NR	NR	0
RCRIS-TSD		1.000	0	0	0	0	NR	0
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	0	0	0	1	NR	1
Delisted Cal-Sites		1.000	0	0	0	0	NR	0
Notify 65		1.000	0	0	0	2	NR	2
CHMIRS		1.000	0	0	0	0	NR	0
Cortese		1.000	0	0	0	5	NR	5
Toxic Pits		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP	TP		NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
St. Landfill (SWIS)		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
CA FID		0.250	0	0	NR	NR	NR	0
AST		0.125	0	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
HWIS		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ERNS	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
NPL Liens	TP		NR	NR	NR	NR	NR	0
Site Mitigation	TP		NR	NR	NR	NR	NR	0
Industrial Site	TP		NR	NR	NR	NR	NR	0
HMMD	TP		NR	NR	NR	NR	NR	0
CA SLIC	TP		NR	NR	NR	NR	NR	0
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
CA HW Generator	TP		NR	NR	NR	NR	NR	0
CA WDS	TP		NR	NR	NR	NR	NR	0
Coal Gas		1.000	0	0	0	0	NR	0

TP - Target Property

NR - Not Requested at this Search Distance

\* Sites may be listed in more than one database

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

A1 North 1/2-1 Higher	HUNTINGTON HARBOUR CAR WASH 16921 ALGONQUIN ST. HUNTINGTON BEACH, CA 92649	Notify 65	S100453867 N/A
--------------------------------	--	-----------	-------------------

A2 North 1/2-1 Higher	HUNTINGTON HARBOUR CAR WASH 16921 ALGONQUIN ST. HUNTINGTON BEACH, CA 92649	Notify 65 LUST	S100453830 N/A
--------------------------------	--	-------------------	-------------------

LUST Region OR:

Employee No: 200	
Facility ID: 92UT144	Clean Date: Not reported
Case Type: Soil only	
Status: Remedial action (cleanup) in progress	
Funding: Federal Funds	
Chemical: 8006619 - GASOLINE	
Lead Refer: Local	Lead Agency: LOCAL

NOTIFY 65:

Date Reported: 19920707	Staff Initials: Not reported
Board File Number: 0LG921232	
Facility Type: Leak Rpt	
Discharge Date: Not reported	
Incident Description: Not Reported	

A3 North 1/2-1 Higher	HUNTINGTON HARBOR CAR WASH ALGONQUIN ST (16921) HUNTINGTON BEACH, CA 92649	Cortese	S101299653 N/A
--------------------------------	--	---------	-------------------

CORTESE:

Facility ID: 30-001306	Data Source: LTNKA
------------------------	--------------------

4 NE 1/2-1 Higher	STEVERSON BROS. BOUCHER SITE SE OF BOLSA CHICA / DUNBAR HUNTINGTON BEACH, CA 92649	Cal-Sites	S100538753 N/A
----------------------------	--	-----------	-------------------

CAL-SITES Status: PEAP (PRELIMINARY ENDANGERMENT ASSESSMENT IN PROGRESS)  
Facility ID: 30490053 Current Status Date: 01/15/92

B5 NE 1/2-1 Higher	MOBIL SERVICE STATION #11-D7E WARNER AVE (4985) HUNTINGTON BEACH, CA 92647	Cortese	S101299709 N/A
-----------------------------	--	---------	-------------------

CORTESE:

Facility ID: 30-000508	Data Source: LTNKA
------------------------	--------------------

B6 NE 1/2-1 Higher	CONOCO (KAYO OIL CO/JET) WARNER AVE (5002) HUNTINGTON BEACH, CA 92649	Cortese	S101299710 N/A
-----------------------------	---	---------	-------------------

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

CONOCO (KAYO OIL CO/JET) (Continued)

S101299710

CORTESE:

Facility ID: 30-000666

Data Source: LTNKA

7  
NE  
1/2-1  
Higher

MEADOWLARK AIRPORT  
WARNER AVE (5141)  
HUNTINGTON BEACH, CA 92649

Cortese

S101299711  
N/A

CORTESE:

Facility ID: 30-001039

Data Source: LTNKA

8  
WNW  
1/2-1  
Higher

EXXON SERVICE STATION #2646  
PACIFIC COAST HWY (17222)  
HUNTINGTON BEACH, CA 92649

Cortese

S101299699  
N/A

CORTESE:

Facility ID: 30-000966

Data Source: LTNKA

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
HUNTINGTON BEACH	9011872	CORNER OF BOLSA CHICA & HEIL	BETWEEN GOTHARD / GOLDENWEST	92648	ERNS	
HUNTINGTON BEACH	S101539133	CITY OF HUNTINGTON BEACH LANDFILL	16582 BOLSA CHICA	92648	SWIS	
HUNTINGTON BEACH	1000184488	HARBOUR CLEANERS	15182 BOLSA CHICA UNIT F	92648	RCRIS-LOG, FINDS	
HUNTINGTON BEACH	1000595750	VEE IMPORT DOC	18582 BOLSA CHICA	92648	FINDS, RCRIS-SQG	
HUNTINGTON BEACH	S100883691	HARBOUR CLEANERS	5832 BOLSA AVE STE 105	92648	HWIS	
HUNTINGTON BEACH	S100824737	ENTROPY ENVIRONMENTALISTS INC	BTWN GOLDENWEST / GOTHARD SO. OF	92648	HWIS	
HUNTINGTON BEACH	S101810629	CITY OF HUNTINGTON BEACH	TALBERT		SWIS	
HUNTINGTON BEACH	1000318096	AMINOIL BOLSA CHICA	20101 GOLDEN W & PAC COAST HWY	92648	CERC-NFRAP	
HUNTINGTON BEACH	S101813974	STEVENSON BROTHERS-BOLSA CHICA	SE OF BOLSA CHICA / DUNBAR		WMLDS/SWAT	
HUNTINGTON BEACH	U001577346	STATE LANDS COMMISSION	1700 PACIFIC COAST HWY	92648	UST	00000015826

# DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
CORNER OF BOLSA CHICA & HEIL HUNTINGTON BEACH, CA 92649	ERNS	9011872 N/A

CITY OF HUNTINGTON BEACH LANDFILL BETWEEN GOTHARD / GOLDENWEST HUNTINGTON BEACH, CA	SWIS	S101539133 N/A
---	------	-------------------

LF:

Facility ID: 30-AB-0026  
 Operator: CITY OF HUNTINGTON BEACH  
 Op. Address: P.O. BOX 190  
 HUNTINGTON BEACH, CA 92648  
 Op. Tel: (714) 536-5431  
 Owner: CITY OF HUNTINGTON BEACH  
 Address: P.O. BOX 190  
 HUNTINGTON BEACH, CA 92648  
 Owner's Tel: (714) 536-5431  
 Facility Tel: Not reported  
 Activity: Solid Waste Landfill  
 Operator's Status: Inactive  
 Regulation Status: Permitted  
 Facility Status: Not reported  
 Facility Class: Not reported  
 Region: STATE  
 Closing Comment: Not reported  
 Date Closed: Not reported  
 Operation Date: Not reported  
 Permit Date: Not reported  
 Facility Type: Not reported  
 Facility Location: Not reported

HARBOUR CLEANERS 16562 BOLSA CHICO HUNTINGTON BEACH, CA 92649	RCRIS-LQG FINDS	1000164488 CAD981672595
---	--------------------	----------------------------

RCRIS:

Owner: SAM CHIRCO  
(415) 555-1212

Contact: ENVIRONMENTAL MANAGER  
(714) 846-2030

Waste	Quantity	Info Source
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F002	.00000 (N)	Notification
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(P) = Pounds , (K) = Kilograms , (M) = Metric Tons , (T) = Tons , (N) = Not Reported

VEE IMPORT DOC 15182 BOLSA CHICA UNIT F HUNTINGTON BEACH, CA 92649	FINDS RCRIS-SQG	1000585750 CAD983597048
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# DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
VEE IMPORT DOC (Continued)		1000595750

## RCRIS:

Owner: JEFF CURT  
(415) 555-1212

Contact: JEFF CURT  
(714) 898-9985

Waste	Quantity	Info Source	Waste	Quantity	Info Source
D000	.00000 (N)	Notification	D001	.00000 (N)	Notification
D018	.00000 (N)	Notification	D039	.00000 (N)	Notification

(P) = Pounds , (K) = Kilograms , (M) = Metric Tons , (T) = Tons , (N) = Not Reported

**HARBOUR CLEANERS**  
16562 BOLSA CHICO  
HUNTINGTON BEACH, CA 92649

HWIS S100863691  
N/A

**ENTROPY ENVIRONMENTALISTS INC**  
5932 BOLSA AVE STE 105  
HUNTINGTON BEACH, CA 92649

HWIS S100934737  
N/A

**CITY OF HUNTINGTON BEACH**  
BTWN GOLDENWEST / GOTHARD SO. OF  
HUNTINGTON BEACH, CA

SWIS S101610629  
N/A

## LF:

Facility ID: 30-CR-0122  
Operator: CITY OF HUNTINGTON BEACH  
Op. Address: P.O. BOX 190  
HUNTINGTON BEACH, CA 92648  
Op. Tel: (714) 536-5431  
Owner: CITY OF HUNTINGTON BEACH  
Address: P.O. BOX 190  
HUNTINGTON BEACH, CA 92648  
Owner's Tel: (714) 536-5431  
Facility Tel: Not reported  
Activity: Solid Waste Disposal Site  
Operator's Status: Closed  
Regulation Status: To Be Determined  
Facility Status: Not reported  
Facility Class: Not reported  
Region: STATE  
Closing Comment: Not reported  
Date Closed: Not reported  
Operation Date: Not reported  
Permit Date: Not reported  
Facility Type: Not reported  
Facility Location: Not reported

# DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
CITY OF HUNTINGTON BEACH (Continued)		S101610629
AMINOIL BOLSA CHICA 20101 GOLDEN W & PAC COAST HWY HUNTINGTON BEACH, CA 92648	CERC-NFRAP	1000318098 CAD042137307
CERCLIS-NFRAP Classification Data:		
Site Incident Category:	Not reported	Federal Facility: NO
Ownership Status:	UNKNOWN	NPL Status: NOT ON NPL
EPA Notes:	Not reported	
CERCLIS-NFRAP Assessment History:		
Assessment:	DISCOVERY	Completed: 11/01/79
Assessment:	PRELIMINARY ASSESSMENT	Completed: 11/01/84
Assessment:	PRELIMINARY ASSESSMENT	Completed: 07/01/88
CERCLIS-NFRAP Alias Name(s):		
BOLSA CHICA WETLANDS		
AMINOIL USA INC		
BURMAN OIL CO		
SIGNAL OIL		
STEVEYSON BROTHERS-BOLSA CHICA SE OF BOLSA CHICA / DUNBAR HUNTINGTON BEACH, CA	WMUDS	S101613974 N/A
WMUDS:		
Date of Last Facility Edit:	Not reported	
Last Facility Editors:	Not reported	
Waste Discharge Sytem ID:	8 300036NUR	
Solid Waste Information ID:	Not reported	
Waste Discharge System:	No	
Solid Waste Assessment Test Program:	Yes	
Toxic Pits Cleanup Act Program:	No	
Resource Conservation Recovery Act Program:	No	
Department of Defence:	Not reported	
Regional Board Staff Initial:	MA	
Open to Public:	Not reported	
Number of WMUDS at Facility:	1	
Facility Contact:	Not reported	
Facility Telephone:	Not reported	
Primary Standard Industrial Classification:	Not reported	
Secondary Standard Industrial Classification:	Not reported	
Solid Waste Assessment Test Program Name:	STEVEYSON BROTHERS	
Self Monitoring Report Frequency:	Not reported	
Threat to Water Quality:	Not reported	
NPID:	Not reported	
Tonnage:	Not reported	
Agency:	STEVEYSON BROTHERS	
	Not reported	
Agency Contact:	Not reported	
Agency Tele:	Not reported	
Landowner:	Not reported	
	Not reported	
	CA	
Landowner Cont:	Not reported	
Landowner Tele:	Not reported	

# DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
STEVERSON BROTHERS-BOLSA CHICA (Continued)		S101613974
STATE LANDS COMMISSION 1700 PACIFIC COAST HWY HUNTINGTON BEACH, CA 92648	UST	U001577346 N/A

## UST:

Facility ID:	00000015826			
Tank Num:	1	Container Num:	1	Tank Capacity: 00000150
Year Installed:	1983	Tank Used for:	PRODUCT	
Type of Fuel:	Not Reported	Tank Construction:	14 gauge	
Leak Detection:	Stock Inventor			
Contact Name:	R. D. SNYDER			
Telephone:	(714) 536-3018	Total Tanks:	0003	Region: Not reported
Facility Type:	2	Other Type:	LABORATORY	

Facility ID:	00000015826			
Tank Num:	2	Container Num:	3	Tank Capacity: 00000420
Year Installed:	1950	Tank Used for:	WASTE	
Type of Fuel:	Not Reported	Tank Construction:	Not Reported	
Leak Detection:	Stock Inventor			
Contact Name:	R. D. SNYDER			
Telephone:	(714) 536-3018	Total Tanks:	0003	Region: Not reported
Facility Type:	2	Other Type:	LABORATORY	

Facility ID:	00000015826			
Tank Num:	3	Container Num:	2	Tank Capacity: 00000150
Year Installed:	1983	Tank Used for:	PRODUCT	
Type of Fuel:	Not Reported	Tank Construction:	14 gauge	
Leak Detection:	Stock Inventor			
Contact Name:	R. D. SNYDER			
Telephone:	(714) 536-3018	Total Tanks:	0003	Region: Not reported
Facility Type:	2	Other Type:	LABORATORY	

# **GEOCHECK VERSION 2.1 ADDENDUM FEDERAL DATABASE WELL INFORMATION**

Well Closest to Target Property (Northern Quadrant)

## **BASIC WELL DATA**

Site ID:	334433118050801	Distance from TP:	>2 Miles
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1984	County:	Orange
Altitude:	4.22 ft.	State:	California
Well Depth:	Not Reported	Topographic Setting:	Lake, swamp or marsh
Depth to Water Table:	2.67 ft.	Prim. Use of Site:	Observation
Date Measured:	01231985	Prim. Use of Water:	Unused

## **LITHOLOGIC DATA**

Not Reported

## **WATER LEVEL VARIABILITY**

Water Level:	2.67 ft.	Water Level:	3.12 ft.
Date Measured:	01/23/85	Date Measured:	04/24/85

**GEOCHECK VERSION 2.1**  
**STATE DATABASE WELL INFORMATION**

**Water Wells:**

Well Within 1/2 - 1 Mile of Target Property (Northern Quadrant)

Water Well ID:	CA68231		
System Name:	CITY OF HUNTINGTON BEACH		
Source Name:	WELL 02 - DESTROYED		
Source Number:	05S/11W-29C01 S	System Number:	3010053
County Code:	Not Reported	County:	ORANGE
Latitude:	33 43 00.0	Longitude:	118 03 00.0
Precision:	Not Reported	Water Type:	Ground
Chemical:	Not Reported		
Findings:	Not Reported	Sample Date:	Not Reported

Well Within 1/2 - 1 Mile of Target Property (Eastern Quadrant)

Water Well ID:	CA67934		
System Name:	AIRPORT CAFE		
Source Name:	WELL 01 AIRPORT WELL		
Source Number:	05S/11W-21N03 S	System Number:	3000741
County Code:	Not Reported	County:	ORANGE
Latitude:	33 43 00.0	Longitude:	118 02 10.0
Precision:	Not Reported	Water Type:	Ground
Chemical:	Not Reported		
Findings:	Not Reported	Sample Date:	Not Reported

Well Within >2 Miles of Target Property (Southern Quadrant)

Water Well ID:	CA31046		
System Name:	CITY OF HUNTINGTON BEACH		
Source Name:	WELL 04		
Source Number:	05S/11W-09J01 S	System Number:	3010053
County Code:	30	County:	ORANGE
Latitude:	33 40 00.0	Longitude:	118 02 00.0
Precision:	Not Reported	Water Type:	Undefined
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Findings:	0.390 MG/L	Sample Date:	06/26/1989

Well Within >2 Miles of Target Property (Western Quadrant)

Water Well ID:	CA30849		
System Name:	CITY OF SEAL BEACH		
Source Name:	BOLSA CHICA WELL		
Source Number:	05S/11W-05H01 S	System Number:	3010041
County Code:	30	County:	ORANGE
Latitude:	33 44 00.0	Longitude:	118 06 00.0
Precision:	Not Reported	Water Type:	Undefined
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Findings:	0.310 MG/L	Sample Date:	06/04/1991

**GEOCHECK VERSION 2.1**  
**PUBLIC WATER SUPPLY SYSTEM INFORMATION**

Searched by Nearest Well.

**PWS SUMMARY:**

PWS ID:	CA3010041	PWS Status:	Active	Distance from TP:	>2 Miles
Date Initiated:	June / 1977	Date Deactivated:	Not Reported	Dir relative to TP:	West
PWS Name:	CITY OF SEAL BEACH 211 8TH ST SEAL BEACH, CA 90740				

Addressee / Facility Type: Not Reported  
Facility Name: Not Reported

Facility Latitude:	33 44 29	Facility Longitude:	118 06 14
City Served:	SEAL BEACH		
Treatment Class:	Mixed (treated and untreated)	Population Served:	10,001 - 50,000 Persons

Well currently has or has had major violation(s): No

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Elapsed ASTM days:** Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

## FEDERAL ASTM RECORDS:

**CERCLIS:** Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA/NTIS

Telephone: 703-603-8904

CERCLIS: CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 11/30/95

Date Made Active at EDR: 02/26/96

Date of Data Arrival at EDR: 01/15/96

Elapsed ASTM days: 42

**ERNS:** Emergency Response Notification System

Source: EPA/NTIS

Telephone: 202-260-2342

ERNS: Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/95

Date Made Active at EDR: 02/19/96

Date of Data Arrival at EDR: 01/26/96

Elapsed ASTM days: 24

**NPL:** National Priority List

Source: EPA

Telephone: 703-603-8852

NPL: National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, it is EDR's policy to plot NPL sites greater than approximately 500 acres in size as areas (polygons). Sites smaller in size are point-geocoded at the site's address.

Date of Government Version: 09/01/95

Date Made Active at EDR: 10/25/95

Date of Data Arrival at EDR: 10/17/95

Elapsed ASTM days: 8

**RCRIS:** Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 703-308-7907

RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 02/29/96

Date Made Active at EDR: 05/09/96

Date of Data Arrival at EDR: 03/18/96

Elapsed ASTM days: 52

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FEDERAL NON-ASTM RECORDS:

### CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: Varies

Date of Next Scheduled Update: 09/01/95

### CORRACTS: Corrective Action Report

Source: EPA

Telephone: 703-308-7907

CORRACTS: CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 04/10/95

Date of Next Scheduled Update: 06/17/96

### FINDS: Facility Index System

Source: EPA/NTIS

Telephone: 800-908-2493

FINDS: Facility Index System. FINDS contains both facility information and "pointers" to other sources that contain more detail. These include: RCRIS, PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS (FIFRA/TSCA Tracking System)), CERCLIS, DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), FRDS (Federal Reporting Data System), SIA (Surface Impoundments), CICIS (TSCA Chemicals in Commerce Information System), PADS, RCRA-J (medical waste transporters/disposers), TRIS and TSCA.

Date of Government Version: 09/30/95

Date of Next Scheduled Update: 06/03/96

### HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4555

HMIRS: Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/95

Date of Next Scheduled Update: 07/29/96

### MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 02/13/96

Date of Next Scheduled Update: 07/15/96

### NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 205-564-4267

NPL LIENS: Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91

Date of Next Scheduled Update: 08/26/96

### PADS: PCB Activity Database System

Source: EPA

Telephone: 202-260-3992

PADS: PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/14/94

Date of Next Scheduled Update: 08/19/96

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **RAATS: RCRA Administrative Action Tracking System**

Source: EPA

Telephone: 202-564-4104

RAATS: RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA.

Date of Government Version: 04/17/95

Date of Next Scheduled Update: 06/17/96

## **ROD: Records Of Decision**

Source: NTIS

Telephone: 703-416-0703

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/31/95

Date of Next Scheduled Update: 06/03/96

## **TRIS: Toxic Chemical Release Inventory System**

Source: EPA/NTIS

Telephone: 202-260-2320

TRIS: Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/92

Date of Next Scheduled Update: 07/01/96

## **TSCA: Toxic Substances Control Act**

Source: EPA/NTIS

Telephone: 202-260-1444

TSCA: Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site. USEPA has no current plan to update and/or re-issue this database.

Date of Government Version: 01/31/95

Date of Next Scheduled Update: 06/17/96

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## STATE OF CALIFORNIA ASTM RECORDS:

### BEP: Bond Expenditure Plan

Source: Department of Health Services

Telephone: 916-255-2118

BEP: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/89

Date Made Active at EDR: 08/02/94

Date of Data Arrival at EDR: 07/27/94

Elapsed ASTM days: 6

### CAL-SITES (AWP): Annual Workplan

Source: California Environmental Protection Agency

Telephone: 916-323-3400

CAL-SITES (AWP): Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 06/30/95

Date Made Active at EDR: 03/06/96

Date of Data Arrival at EDR: 02/02/96

Elapsed ASTM days: 33

### CAL-SITES (ASPIIS): Calsites

Source: Department of Toxic Substance Control

Telephone: 916-323-3400

CAL-SITES (ASPIIS): Known and Potential Hazardous Waste Sites. CAL-SITES, formerly ASPIIS, contains both known and potential hazardous substance sites.

Date of Government Version: 11/01/95

Date Made Active at EDR: 01/09/96

Date of Data Arrival at EDR: 12/04/95

Elapsed ASTM days: 36

### CHMIRS: California Hazardous Material Incident Report System

Source: Office of Emergency Services

Telephone: 916-262-1081

CHMIRS: California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/91

Date Made Active at EDR: 11/05/92

Date of Data Arrival at EDR: 08/08/92

Elapsed ASTM days: 89

### CORTESE: Cortese

Source: CAL EPA/Office of Emergency Information

Telephone: 916-327-1848

CORTESE: Identified Hazardous Waste and Substance Sites. The database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration.

Date of Government Version: 12/31/94

Date Made Active at EDR: 04/04/95

Date of Data Arrival at EDR: 01/23/95

Elapsed ASTM days: 71

### FID: Facility Inventory Database

Source: California Environmental Protection Agency

Telephone: 916-445-6532

The Facility Inventory Database (FID) contains active and inactive underground storage tank locations from the State Water Resource Control Board.

Date of Government Version: 10/31/94

Date Made Active at EDR: 09/29/95

Date of Data Arrival at EDR: 09/05/95

Elapsed ASTM days: 24

### LUST: Leaking Underground Storage Tank Information System

Source: State Water Resources Control Board

Telephone: 916-445-6532

LUST: Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 01/31/96

Date Made Active at EDR: 04/11/96

Date of Data Arrival at EDR: 03/11/96

Elapsed ASTM days: 31

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **NOTIFY 65: Proposition 65**

Source: State Water Resources Control Board

Telephone: 916-657-0696

NOTIFY 65: Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/93

Date Made Active at EDR: 11/19/93

Date of Data Arrival at EDR: 11/01/93

Elapsed ASTM days: 18

## **SWF/LF (SWIS): Solid Waste Information System**

Source: Integrated Waste Management Board

Telephone: 916-255-2248

SWF/LF (SWIS): Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 2004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/15/96

Date Made Active at EDR: 03/06/96

Date of Data Arrival at EDR: 02/05/96

Elapsed ASTM days: 30

## **TOXIC PITS: Toxic Pits**

Source: State Water Resources Control Board

Telephone: 916-227-4364

TOXIC PITS: Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/95

Date Made Active at EDR: 09/26/95

Date of Data Arrival at EDR: 08/30/95

Elapsed ASTM days: 27

## **UST: Hazardous Substance Storage Container Database**

Source: State Water Resources Control Board

Telephone: 916-227-4319

UST: Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/15/90

Date Made Active at EDR: 02/12/91

Date of Data Arrival at EDR: 01/25/91

Elapsed ASTM days: 18

## **WMUDS/SWAT: Waste Management Unit Database**

Source: State Water Resources Control Board

Telephone: 916-892-0323

WMUDS/SWAT: Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 03/25/96

Date Made Active at EDR: 04/11/96

Date of Data Arrival at EDR: 03/29/96

Elapsed ASTM days: 13

## **STATE OF CALIFORNIA NON-ASTM RECORDS:**

### **AST: Aboveground Petroleum Storage Tank Facilities**

Source: State Water Resources Control Board

Telephone: 916-227-4364

AST: Registered Aboveground Storage Tanks.

Date of Government Version: 03/01/96

Date of Next Scheduled Update: 08/12/96

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**HWIS: Hazardous Waste Information System**

Source: California Environmental Protection Agency

Telephone: 916-324-0859

HWIS: Hazardous Waste Information System. HWIS identifies hazardous waste generators and hazardous waste treatment, storage, and disposal facilities in the state of California.

Date of Government Version: 12/31/93

Date of Next Scheduled Update: 08/12/96

**SOUTH BAY: South Bay Site Management System**

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-576-2220

SOUTH BAY: Groundwater pollution cases in the Santa Clara Valley where the regulatory lead is the San Francisco Bay Regional Water Quality Control Board.

Date of Government Version: 05/31/95

Date of Next Scheduled Update: 08/26/96

**WDS: Waste Discharge System**

Source: State Water Resources Control Board

Telephone: 916-657-1701

WDS: Sites which have been issued waste discharge requirements.

Date of Government Version: 11/15/95

Date of Next Scheduled Update: 08/26/96

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CALIFORNIA COUNTY RECORDS

### LOS ANGELES COUNTY:

#### Site Mitigation Complaint Control Log

Source: Community Health Services  
Telephone: 213-890-7806  
Los Angeles County Site Mitigation Log.

Date of Government Version: 10/18/95

Date of Next Scheduled Update: 08/26/96

#### Street Number List

Source: Department of Public Works  
Telephone: 818-458-3517  
Los Angeles County Underground Storage Tank (UST) List.

Date of Government Version: 11/30/95

Date of Next Scheduled Update: 06/24/96

#### List of Solid Waste Facilities

Source: La County Department of Public Works  
Telephone: 818-458-5185

Date of Government Version: 06/28/94

Date of Next Scheduled Update: 08/26/96

### ORANGE COUNTY:

#### List of Industrial Site Cleanups

Source: Health Care Agency  
Telephone: 714-834-3446  
Orange County Industrial Site Cleanups.

Date of Government Version: 04/05/95

Date of Next Scheduled Update: 06/17/96

#### List of Underground Storage Tank Cleanups

Source: Health Care Agency  
Telephone: 714-834-3446  
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 12/19/95

Date of Next Scheduled Update: 06/17/96

#### List of Underground Storage Tank Facilities

Source: Health Care Agency  
Telephone: 714-834-3446  
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 12/19/96

Date of Next Scheduled Update: 06/17/96

### RIVERSIDE COUNTY:

#### Listing of Underground Tank Cleanup Sites

Source: Department of Public Health  
Telephone: 909-358-5055  
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/19/96

Date of Next Scheduled Update: 06/17/96

#### Tank List

Source: Health Services Agency  
Telephone: 909-358-5055

Date of Government Version: 01/05/96

Date of Next Scheduled Update: 06/17/96

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SANTA CLARA COUNTY:

### Fuel Leak Site Activity Report

Source: Santa Clara Valley Water District  
Telephone: 408-927-0710

Date of Government Version: 01/02/96

Date of Next Scheduled Update: 07/08/96

## SAN DIEGO COUNTY:

### Solid Waste Facilities

Source: Department of Health Services  
Telephone: 619-338-2209  
San Diego County Solid Waste Facilities.

Date of Government Version: 11/08/95

Date of Next Scheduled Update: 06/03/96

### Hazardous Materials Management Division Database

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268

Date of Government Version: 03/15/96

Date of Next Scheduled Update: 08/19/96

## SUTTER COUNTY:

### Underground Storage Tanks

Source: Sutter County Department of Agriculture  
Telephone: 916-741-7504

Date of Government Version: 02/15/96

Date of Next Scheduled Update: 06/17/96

## VENTURA COUNTY:

### Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

Source: Ventura County Environmental Health Division  
Telephone: 805-654-2813

Date of Government Version: 08/01/95

Date of Next Scheduled Update: 06/24/96

### Listing of Underground Tank Cleanup Sites

Source: Environmental Health Division  
Telephone: 805-654-2813  
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/02/96

Date of Next Scheduled Update: 06/24/96

### List of Operating UGT Sites & Underground Tank Closed Sites List

Source: Environmental Health Division  
Telephone: 805-654-2813  
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 01/02/96

Date of Next Scheduled Update: 06/24/96

### Inventory of Illegal Abandoned and Inactive Sites

Source: Environmental Health Division  
Telephone: 805-654-2818  
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 01/08/94

Date of Next Scheduled Update: 06/03/96

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## KERN COUNTY:

### Sites & Tanks Listing

Source: Kern County Environment Health Services Department

Telephone: 805-862-8700

Kern County Sites & Tanks Listing.

Date of Government Version: 06/10/94

Date of Next Scheduled Update: 07/15/96

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## California Regional Water Quality Control Board (RWQCB) LUST Records

### LUST Region 1: Active Toxic Site Investigation

Source: California Regional Water Quality Control Board North Coast (1)

Telephone: 707-576-2220

Date of Government Version: 02/02/96

Date of Next Scheduled Update: 06/03/96

### LUST Region 2: Fuel Leak List

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-286-1269

Date of Government Version: 01/04/96

Date of Next Scheduled Update: 06/24/96

### LUST Region 3: LUSTIS Database

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-549-3147

Date of Government Version: 12/13/95

Date of Next Scheduled Update: 08/26/96

### LUST Region 4: Underground Storage Tank Leak List

Source: California Regional Water Quality Control Board Los Angeles Region (4)

Telephone: 213-266-7500

Date of Government Version: 04/01/96

Date of Next Scheduled Update: 07/08/96

### LUST Region 5: Leaking Underground Storage Tank Database

Source: California Regional Water Quality Control Board Central Valley Region (5)

Telephone: 916-255-3000

Date of Government Version: 12/05/95

Date of Next Scheduled Update: 05/27/96

### LUST Region 6L: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Lahontan Region (6)

Telephone: 916-544-3481

Date of Government Version: 09/01/95

Date of Next Scheduled Update: 06/17/96

### LUST Region 6V: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Victorville Branch Office (6)

Telephone: 619-241-6583

Date of Government Version: 12/14/95

Date of Next Scheduled Update: 06/17/96

### LUST Region 7: Leaking Underground Storage Tank Case Listing

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)

Telephone: 619-346-7491

Date of Government Version: 01/09/96

Date of Next Scheduled Update: 06/03/96

### LUST Region 8: (LUSTIS) Leaking Underground Storage Tanks

Source: California Regional Water Quality Control Board Santa Ana Region (8)

Telephone: 909-782-4130

Date of Government Version: 01/23/96

Date of Next Scheduled Update: 06/24/96

### LUST Region 9: Leaking Underground Storage Tank Report

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 619-467-2952

Date of Government Version: 02/29/96

Date of Next Scheduled Update: 06/10/96

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## California Regional Water Quality Control Board (RWQCB) SLIC Records

### SLIC Region 1: Active Toxic Site Investigations

Source: California Regional Water Quality Control Board, North Coast Region (1)  
Telephone: 707-576-2220

Date of Government Version: 02/02/96

Date of Next Scheduled Update: 06/03/96

### SLIC Region 2: North and South Bay Slc Report

Source: Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-286-1255

Date of Government Version: 01/04/96

Date of Next Scheduled Update: 06/24/96

### SLIC Region 3: Active Slc Cases

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147

Date of Government Version: 01/20/96

Date of Next Scheduled Update: 08/26/96

### SLIC Region 4: SLIC Sites

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-266-7500

Date of Government Version: 01/15/96

Date of Next Scheduled Update: 07/08/96

### SLIC Region 5: SLIC List

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-255-3125

Date of Government Version: 02/01/96

Date of Next Scheduled Update: 08/26/96

### SLIC Region 8: SLIC List

Source: California Regional Water Quality Control Board Santa Ana Region (8)  
Telephone: 909-782-4130

Date of Government Version: 02/28/96

Date of Next Scheduled Update: 06/24/96

### SLIC Region 9: Nurds/Nugtank

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 619-467-2980

Date of Government Version: 07/05/95

Date of Next Scheduled Update: 06/10/96

## Historical and Other Database(s)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**Former Manufactured Gas (Coal Gas) Sites:** The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

## Disclaimer Provided by Real Property Scan, Inc.

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## DELISTED NPL: Delisted NPL Sites

Source: EPA

Telephone: 703-603-8769

**DELISTED NPL:** The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

## NFRAP: No Further Remedial Action Planned

Source: EPA/NTIS

Telephone: 703-416-0702

**NFRAP:** As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

## FRDS: Federal Reporting Data System

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

**FRDS** provides information regarding public water supplies and their compliance with monitoring requirements, maximum contaminant levels (MCL's), and other requirements of the Safe Drinking Water Act of 1986.

**Area Radon Information:** The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

**Oil/Gas Pipelines/Electrical Transmission Lines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

**Sensitive Receptors:** There are individuals who, due to their fragile immune systems, are deemed to be especially sensitive to environmental discharges. These typically include the elderly, the sick, and children. While the exact location of these sensitive receptors cannot be determined, EDR indicates those facilities, such as schools, hospitals, day care centers, and nursing homes, where sensitive receptors are likely to be located.

**USGS Water Wells:** In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1994 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**Epicenters:** World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

**Water Dams:** National Inventory of Dams

Source: Federal Emergency Management Agency

Telephone: 202-646-2801

**WATER DAMS:** National computer database of more than 74,000 dams maintained by the Federal Emergency Management Agency.

**Earthquake Fault Lines in California:** The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

**Drinking Water Quality Database**

Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.